

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
 Data File : VU034364.D
 Acq On : 07 Sep 2019 04:55
 Operator : JC/SP
 Sample : K4725-08MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Quant Time: Sep 07 05:52:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	300191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	454619	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	443703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	292628	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	228395	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	4.86	113	204945	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	7.54	98	811375	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	10.29	95	307892	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	130486	41.562	ug/l	96
3) Chloromethane	1.32	50	153276	45.181	ug/l	98
4) Vinyl Chloride	1.40	62	167899	42.916	ug/l	99
5) Bromomethane	1.61	94	103753	52.463	ug/l	98
6) Chloroethane	1.69	64	109863	48.280	ug/l	100
7) Trichlorofluoromethane	1.88	101	232645	44.350	ug/l	97
8) Diethyl Ether	2.09	74	109731	47.556	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	149726	43.095	ug/l	98
10) Methyl Iodide	2.40	142	135524	43.202	ug/l	100
11) Tert butyl alcohol	2.81	59	252473	263.115	ug/l	99
12) 1,1-Dichloroethene	2.27	96	148588	45.494	ug/l	97
13) Acrolein	2.18	56	117247	145.378	ug/l	99
14) Allyl chloride	2.58	41	237496	38.035	ug/l	92
15) Acrylonitrile	2.92	53	587894	246.031	ug/l	98
16) Acetone	2.31	43	458476	195.059	ug/l	98
17) Carbon Disulfide	2.47	76	297707	40.556	ug/l	100
18) Methyl Acetate	2.60	43	221288	38.692	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	593592	49.862	ug/l	100
20) Methylene Chloride	2.69	84	188112	48.853	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	158054	45.922	ug/l	97
22) Diisopropyl ether	3.55	45	596327	48.972	ug/l	98
23) Vinyl Acetate	3.50	43	2115139	213.243	ug/l	98
24) 1,1-Dichloroethane	3.43	63	333946	45.922	ug/l	99
25) 2-Butanone	4.24	43	756072	240.976	ug/l	100
26) 2,2-Dichloropropane	4.20	77	205855	35.197	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	206213	49.331	ug/l	94
28) Bromochloromethane	4.52	49	162680	48.636	ug/l	94
29) Tetrahydrofuran	4.61	42	477266	249.980	ug/l	98
30) Chloroform	4.65	83	333030	45.054	ug/l	98
31) Cyclohexane	4.97	56	238155	44.765	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	270911	45.840	ug/l	98
36) 1,1-Dichloropropene	5.12	75	216879	43.988	ug/l	99
37) Ethyl Acetate	4.36	43	240923	41.330	ug/l	99
38) Carbon Tetrachloride	5.11	117	233147	44.288	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	232095	44.036	ug/l	97
40) Benzene	5.37	78	716225	45.020	ug/l	100
41) Methacrylonitrile	4.52	41	152362	49.069	ug/l	99
42) 1,2-Dichloroethane	5.38	62	243825	44.143	ug/l	98
43) Isopropyl Acetate	5.53	43	400447	44.036	ug/l	98
44) Trichloroethene	6.17	130	203680	46.266	ug/l	98
45) 1,2-Dichloropropane	6.41	63	212400	45.669	ug/l	99
46) Dibromomethane	6.54	93	131442	45.024	ug/l	97
47) Bromodichloromethane	6.74	83	267810	44.566	ug/l	98
48) Methyl methacrylate	6.60	41	201720	46.704	ug/l	98
49) 1,4-Dioxane	6.59	88	100451	1065.069	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	1481956	235.432	ug/l	98
52) Toluene	7.62	92	465116	46.605	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	281268	45.151	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	304915	44.598	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	204522	45.132	ug/l	99
56) Ethyl methacrylate	8.00	69	314512	45.948	ug/l	98
57) 1,3-Dichloropropane	8.22	76	338005	45.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.09	63	1268	17.124	ug/l #	48
59) 2-Hexanone	8.34	43	1123433	238.906	ug/l	98
60) Dibromochloromethane	8.46	129	228500	47.011	ug/l	98
61) 1,2-Dibromoethane	8.57	107	206408	46.536	ug/l	98
64) Tetrachloroethene	8.21	164	171289	44.498	ug/l	97
65) Chlorobenzene	9.10	112	546136	48.516	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	203029	47.260	ug/l	100
67) Ethyl Benzene	9.23	91	911849	49.541	ug/l	100
68) m/p-Xylenes	9.35	106	697994	100.708	ug/l	99
69) o-Xylene	9.76	106	347347	51.245	ug/l	99
70) Styrene	9.77	104	617244	51.940	ug/l	98
71) Bromoform	9.94	173	182367	48.981	ug/l #	100
73) Isopropylbenzene	10.14	105	939570	49.338	ug/l	100
74) N-amyl acetate	9.99	43	345361	45.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	357327	46.356	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	378837	59.309	ug/l	84
77) Bromobenzene	10.43	156	261094	49.034	ug/l	97
78) n-propylbenzene	10.57	91	1068546	48.585	ug/l	99
79) 2-Chlorotoluene	10.64	91	651036	48.514	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	811091	50.926	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.47	75	378837	199.451	ug/l #	100
82) 4-Chlorotoluene	10.75	91	749651	48.543	ug/l	99
83) tert-Butylbenzene	11.08	119	809344	50.797	ug/l	97
84) 1,2,4-Trimethylbenzene	11.12	105	812134	50.656	ug/l	99
85) sec-Butylbenzene	11.30	105	936160	49.769	ug/l	100
86) p-Isopropyltoluene	11.45	119	864634	49.802	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	465937	47.953	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	467005	46.080	ug/l	99
89) n-Butylbenzene	11.87	91	731627	48.493	ug/l	100
90) Hexachloroethane	12.12	117	127796	46.009	ug/l	98
91) 1,2-Dichlorobenzene	11.85	146	461993	48.380	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	71414	50.417	ug/l	93

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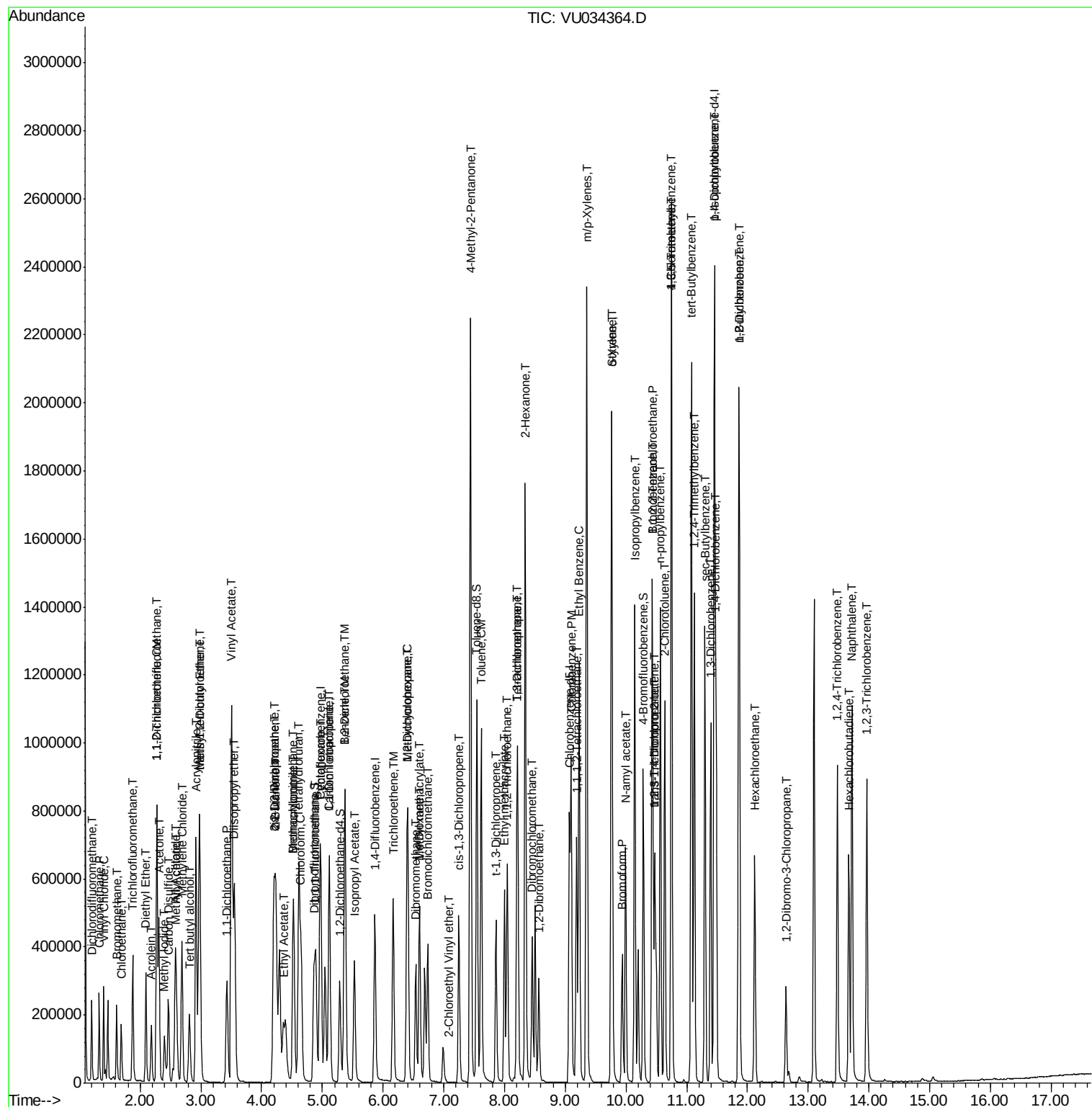
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	321113	46.616	ug/l	100
94) Hexachlorobutadiene	13.67	225	137935	41.294	ug/l	99
95) Naphthalene	13.72	128	941187	48.396	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	318152	47.689	ug/l	98

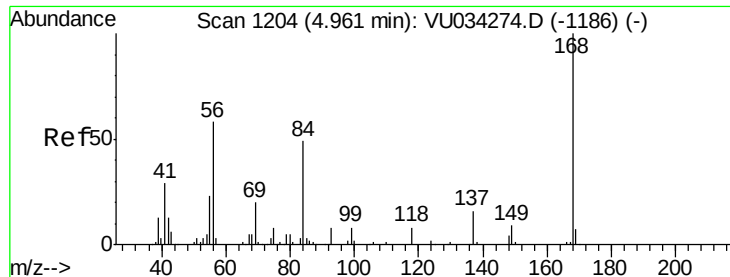
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

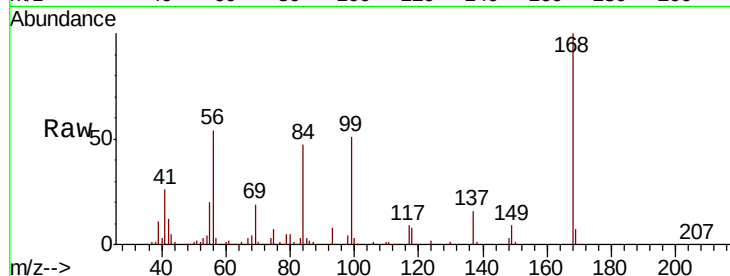
S13-0263MS

Tgt Ion:168 Resp: 300191

Ion Ratio Lower Upper

168 100

99 50.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

150000

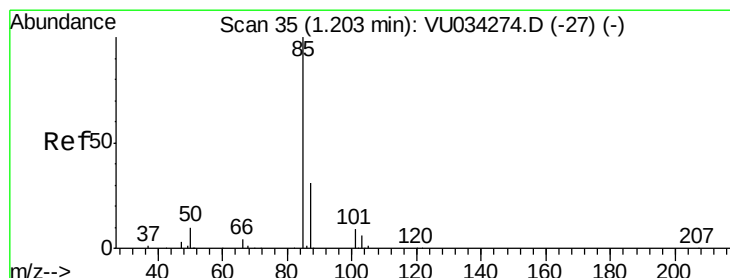
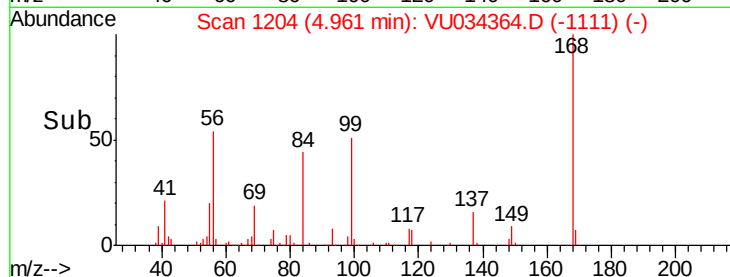
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.562 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034364.D

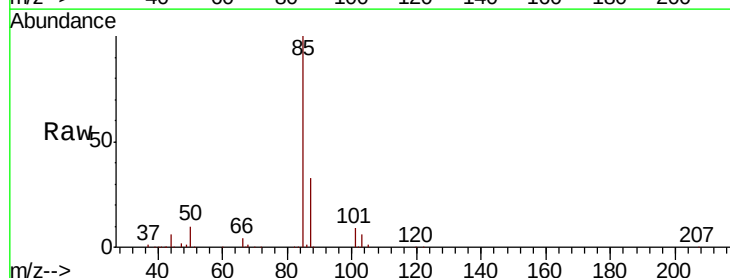
Acq: 07 Sep 2019 04:55

Tgt Ion: 85 Resp: 130486

Ion Ratio Lower Upper

85 100

87 33.5 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

150000

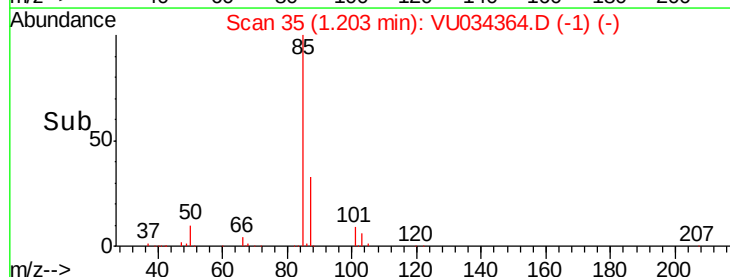
100000

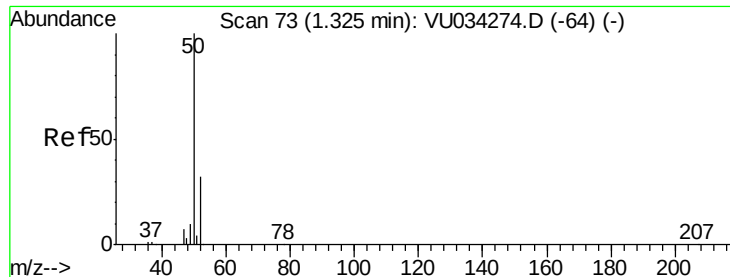
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.181 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

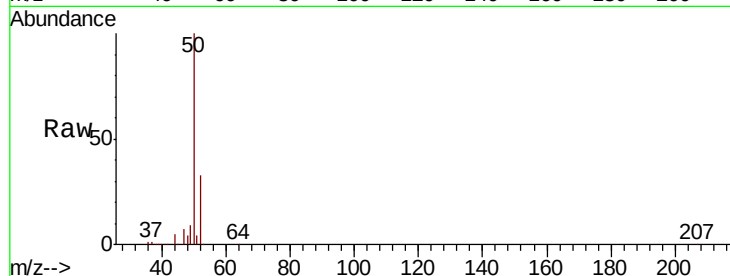
S13-0263MS

Tgt Ion: 50 Resp: 153276

Ion Ratio Lower Upper

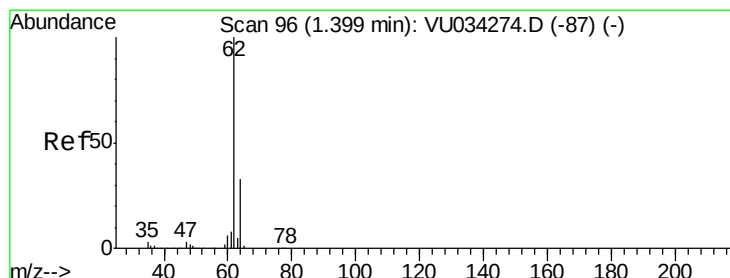
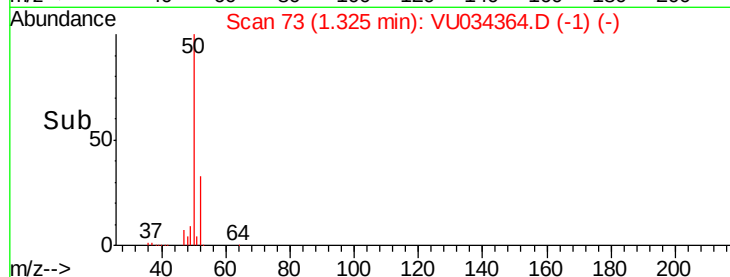
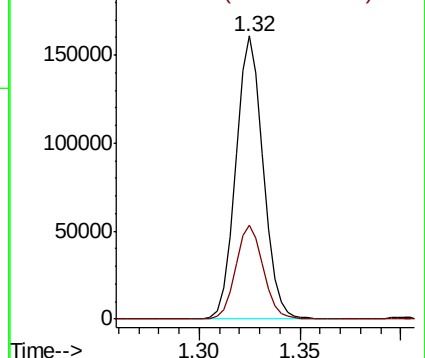
50 100

52 33.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034364.D (-1) (-)



#4

Vinyl Chloride

Concen: 42.916 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034364.D

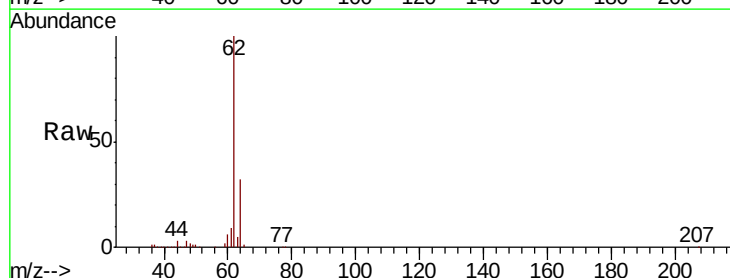
Acq: 07 Sep 2019 04:55

Tgt Ion: 62 Resp: 167899

Ion Ratio Lower Upper

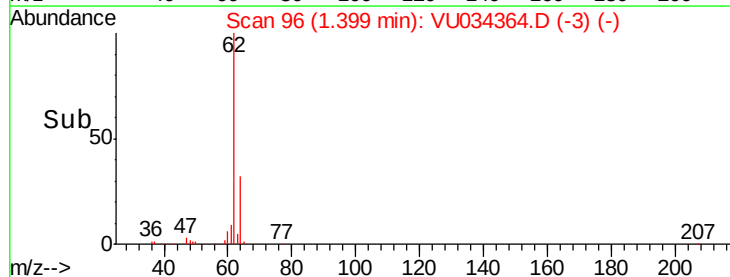
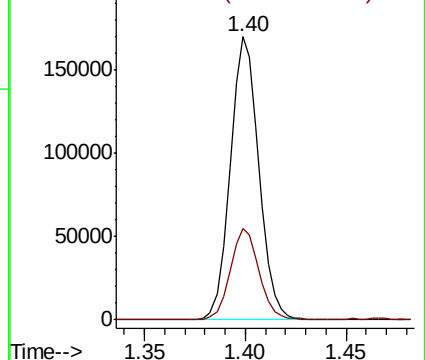
62 100

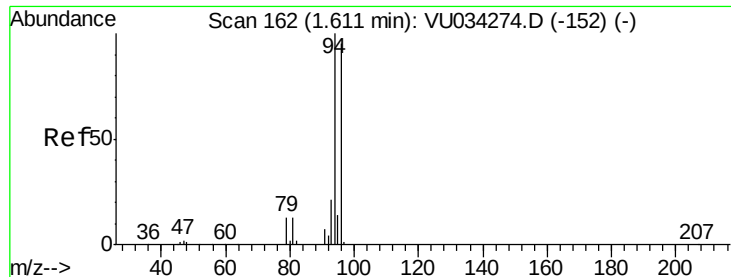
64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034274.D (-87) (-)

Ion 63.90 (63.60 to 64.60): VU034364.D (-3) (-)





#5

Bromomethane

Concen: 52.463 ug/l

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

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ClientSampleId :

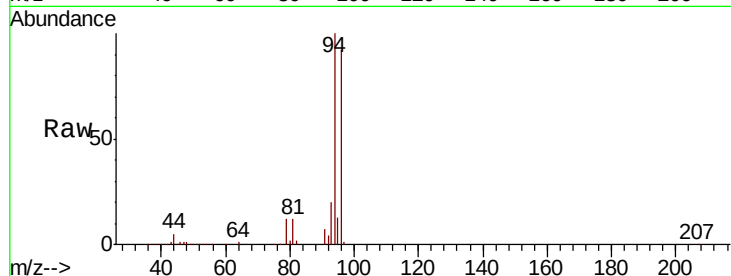
S13-0263MS

Tgt Ion: 94 Resp: 103753

Ion Ratio Lower Upper

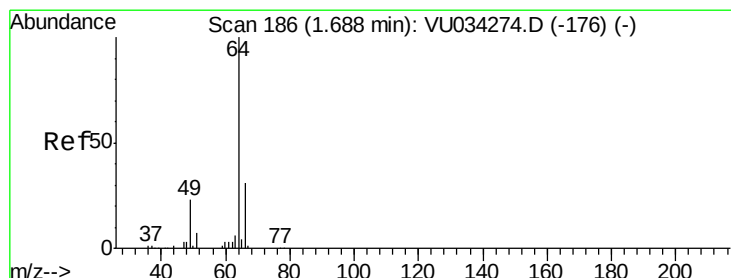
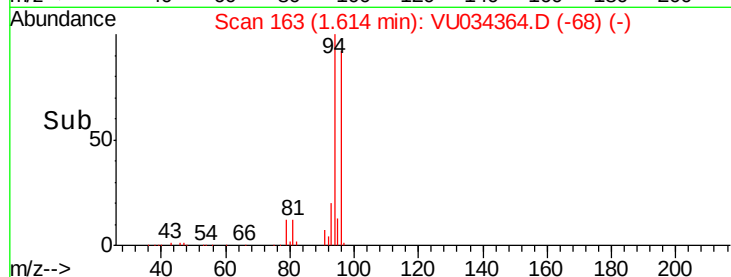
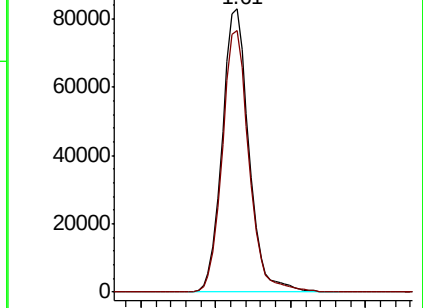
94 100

96 92.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)



#6

Chloroethane

Concen: 48.280 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034364.D

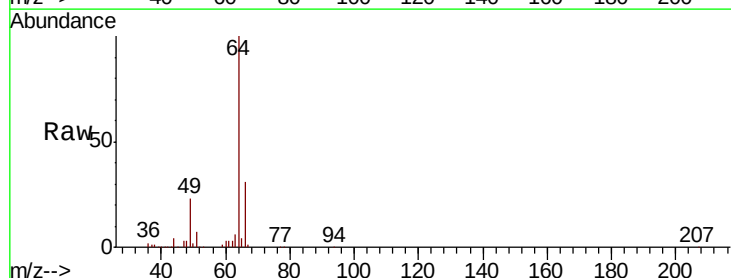
Acq: 07 Sep 2019 04:55

Tgt Ion: 64 Resp: 109863

Ion Ratio Lower Upper

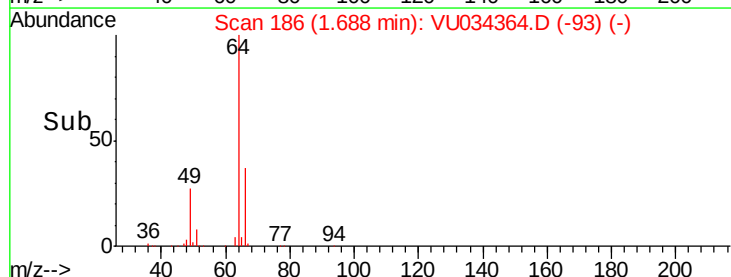
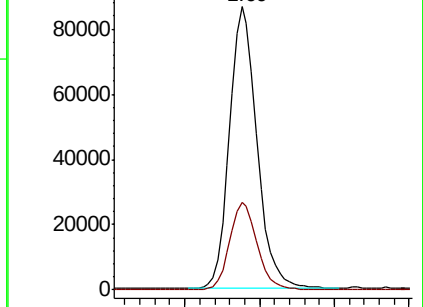
64 100

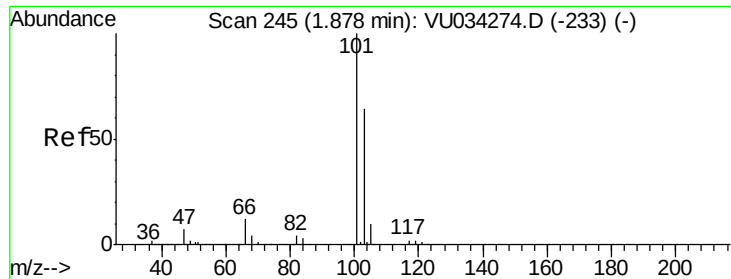
66 31.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)



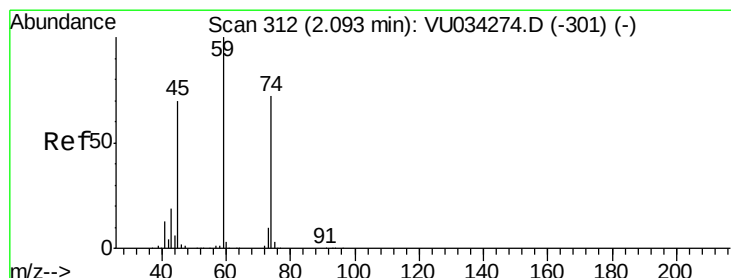
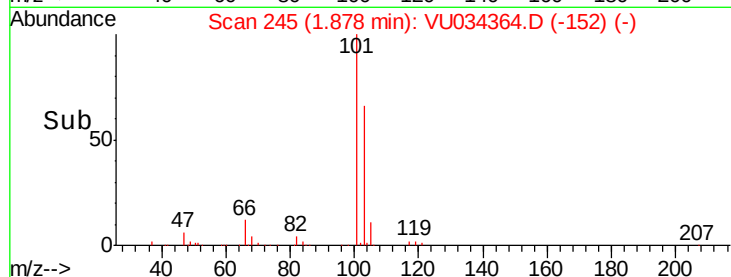
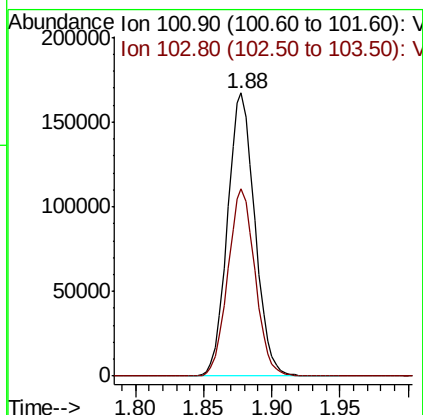
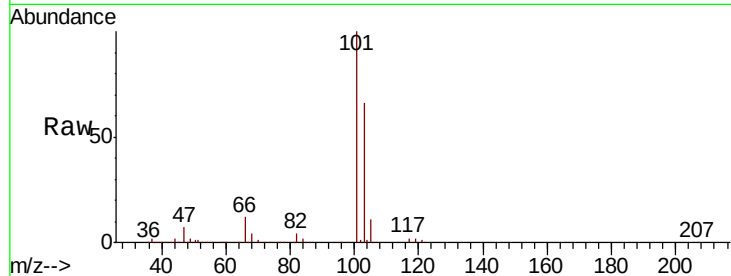


#7

Trichlorofluoromethane
 Concen: 44.350 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034364.D
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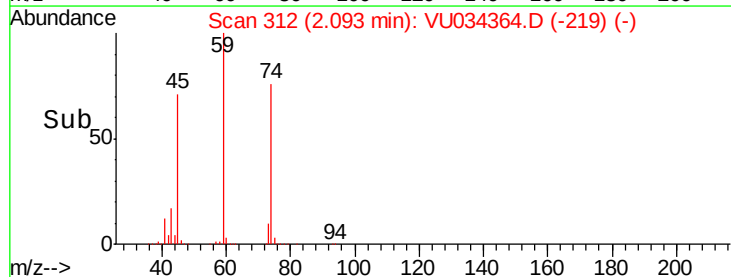
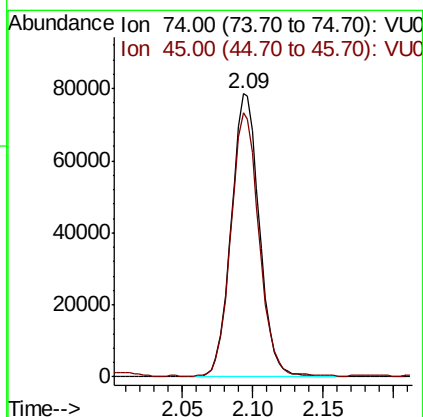
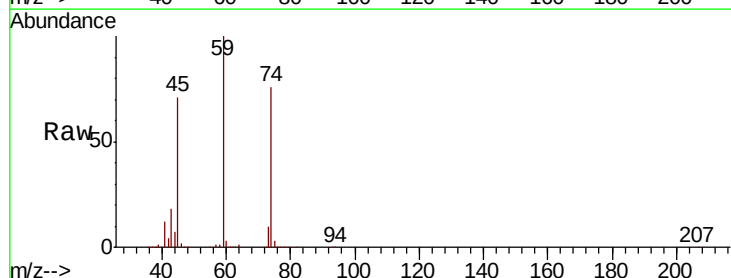
Tgt Ion:101 Resp: 232645
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.0 76.6

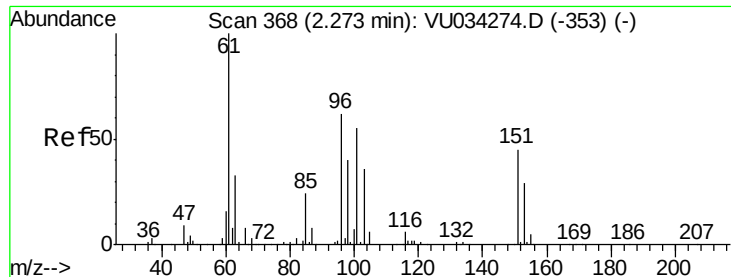


#8

Diethyl Ether
 Concen: 47.556 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 74 Resp: 109731
 Ion Ratio Lower Upper
 74 100
 45 93.0 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.095 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

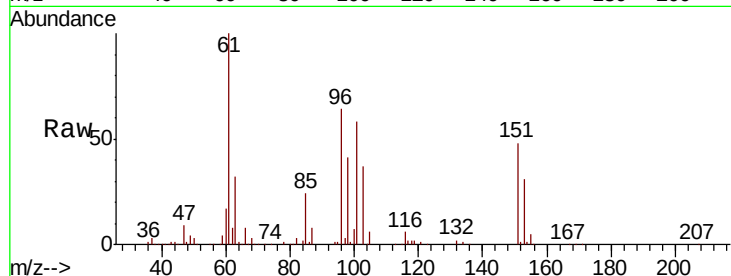
Tgt Ion:101 Resp: 149726

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

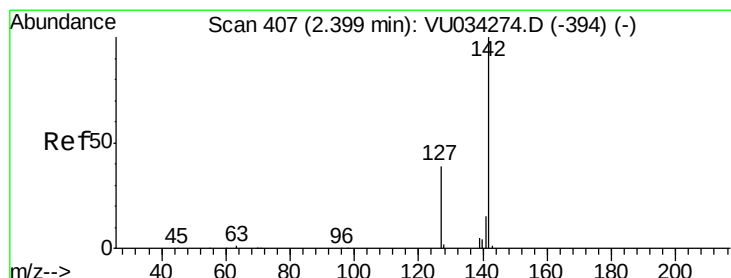
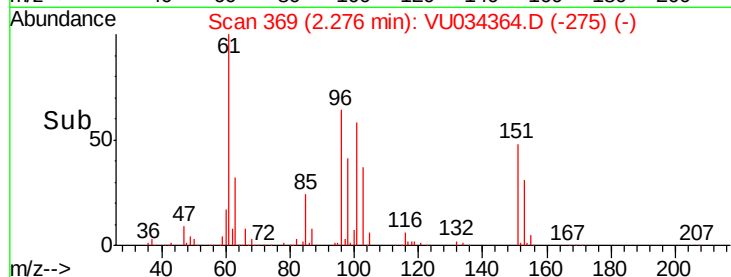
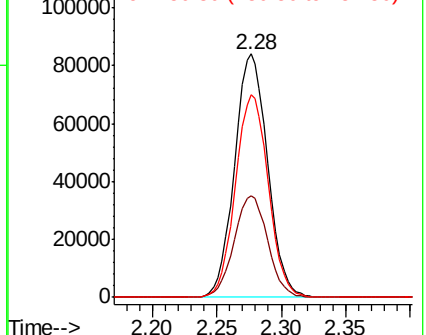
151 82.8 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.202 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

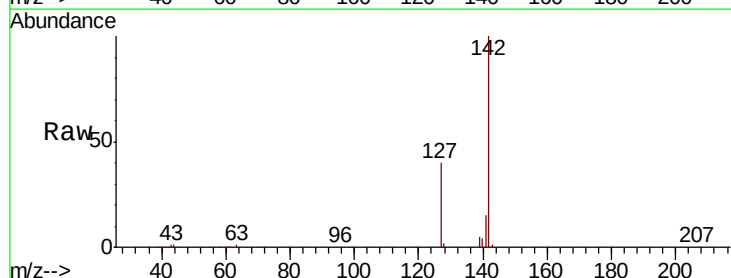
Tgt Ion:142 Resp: 135524

Ion Ratio Lower Upper

142 100

127 39.9 32.1 48.1

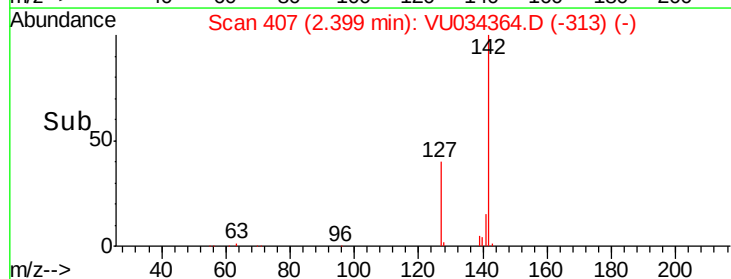
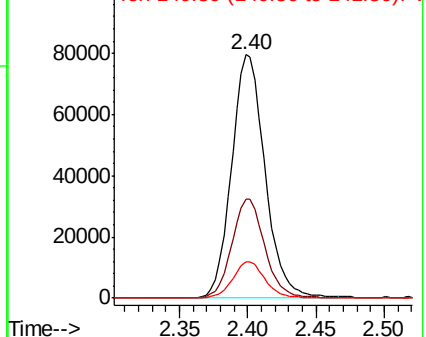
141 14.4 11.5 17.3

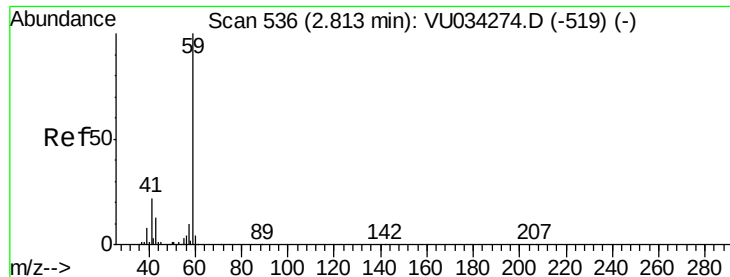


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



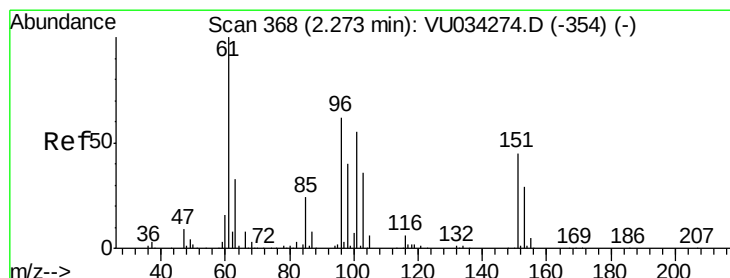
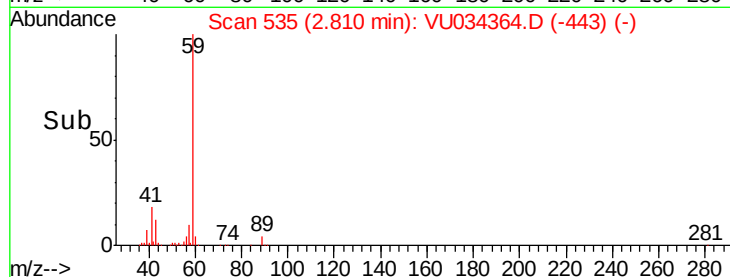
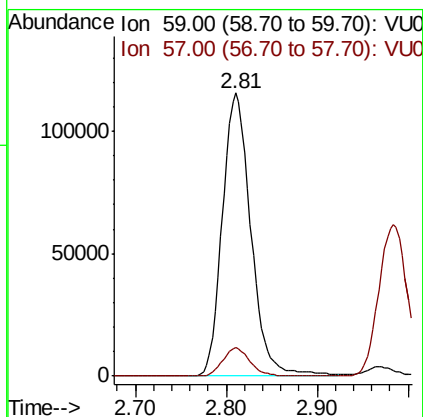
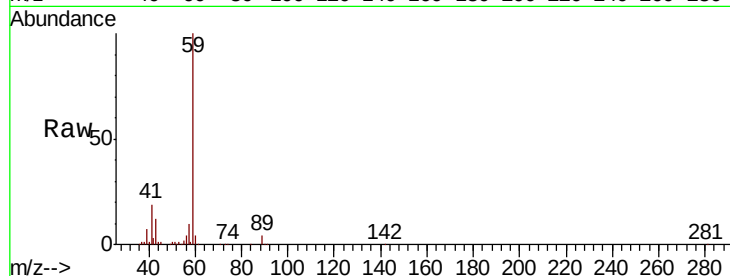


#11

Tert butyl alcohol
 Concen: 263.115 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0263MS

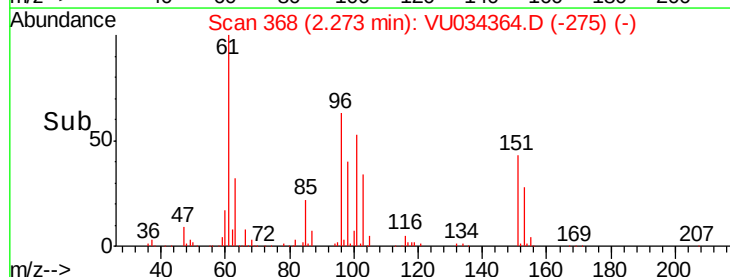
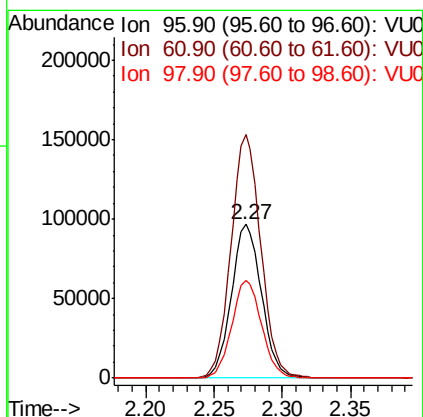
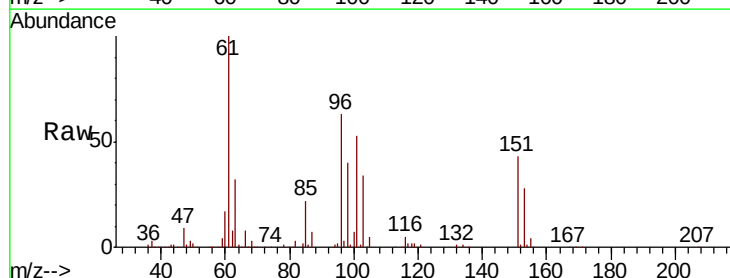
Tgt Ion: 59 Resp: 252473
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.9 11.9

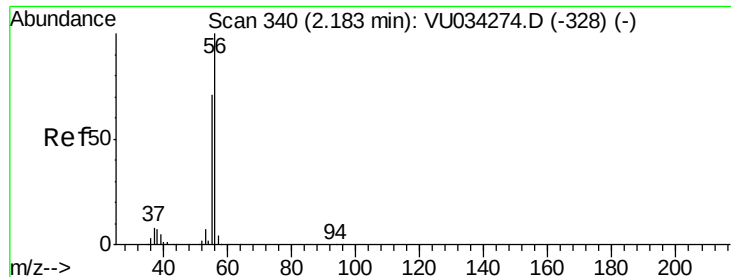


#12

1,1-Dichloroethene
 Concen: 45.494 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 96 Resp: 148588
 Ion Ratio Lower Upper
 96 100
 61 158.3 130.0 195.0
 98 63.5 52.2 78.4





#13

Acrolein

Concen: 145.378 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

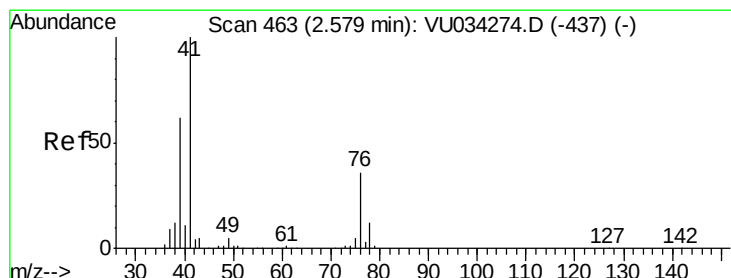
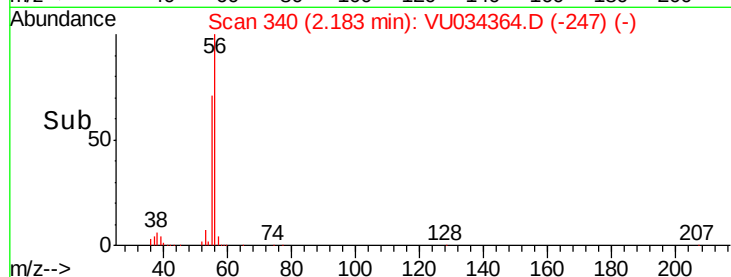
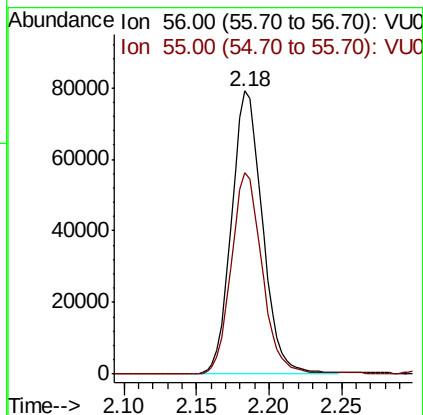
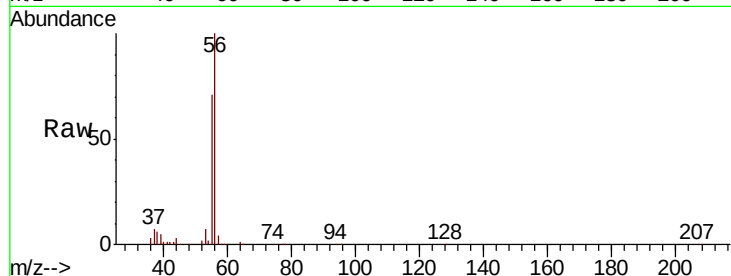
S13-0263MS

Tgt Ion: 56 Resp: 117247

Ion Ratio Lower Upper

56 100

55 70.7 57.4 86.2



#14

Allyl chloride

Concen: 38.035 ug/l

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

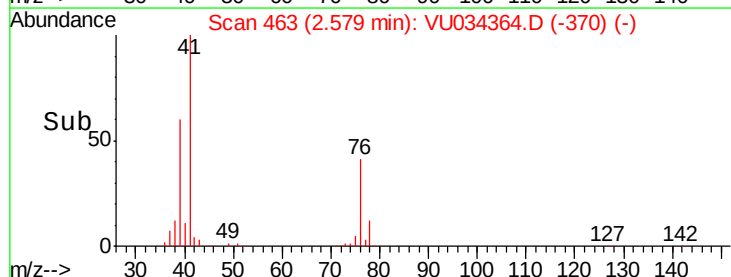
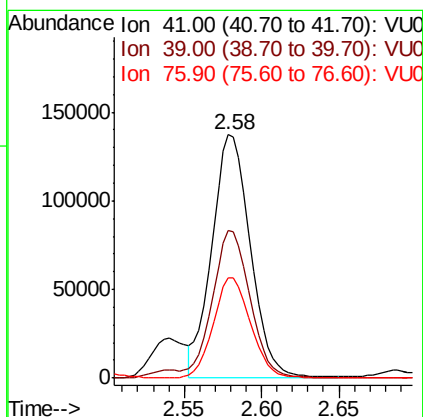
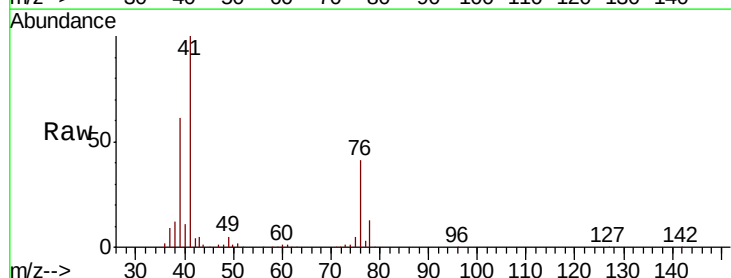
Tgt Ion: 41 Resp: 237496

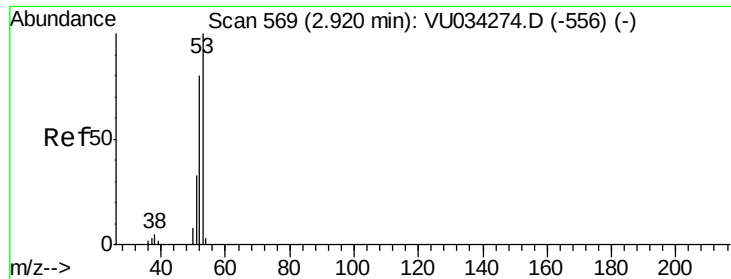
Ion Ratio Lower Upper

41 100

39 58.8 43.5 65.3

76 39.8 27.0 40.6





#15

Acrylonitrile

Concen: 246.031 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

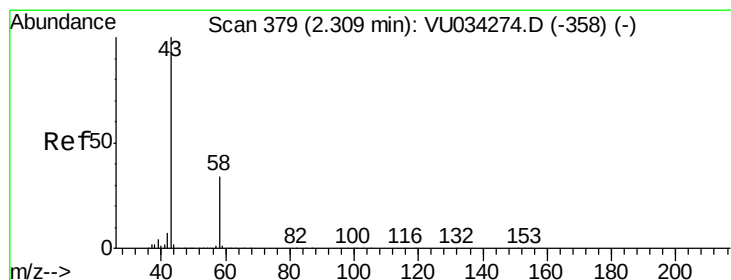
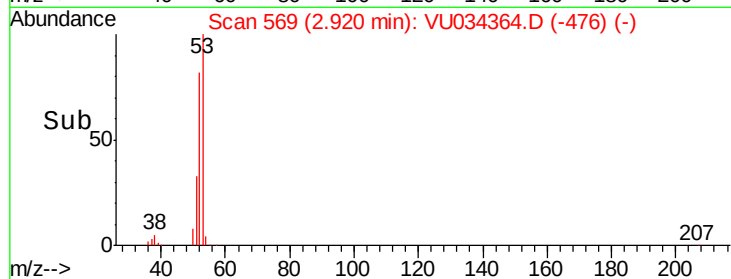
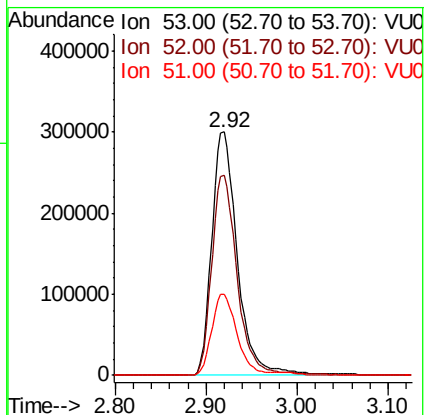
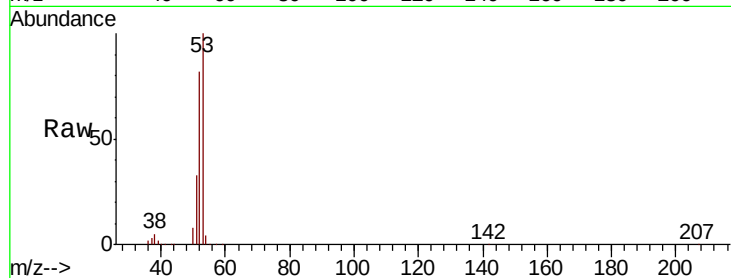
Tgt Ion: 53 Resp: 587894

Ion Ratio Lower Upper

53 100

52 81.6 64.1 96.1

51 32.9 27.4 41.0



#16

Acetone

Concen: 195.059 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034364.D

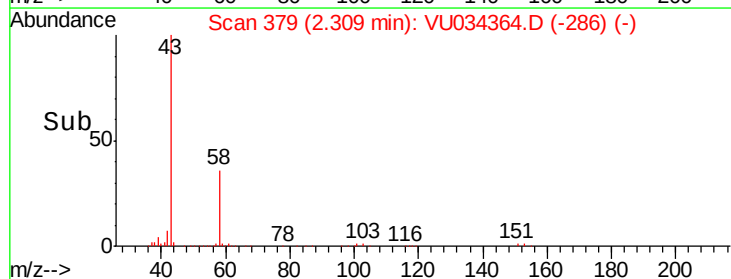
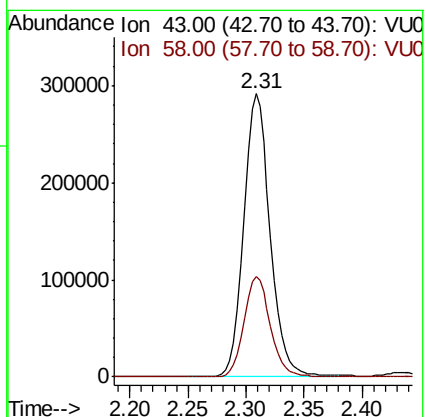
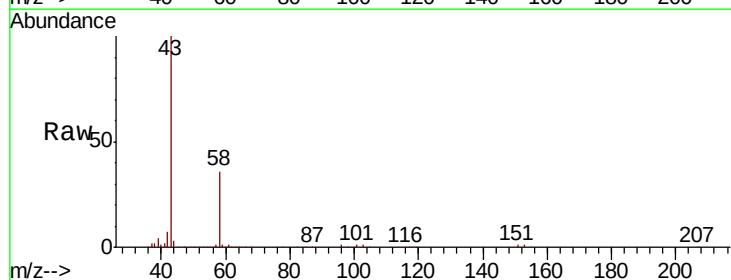
Acq: 07 Sep 2019 04:55

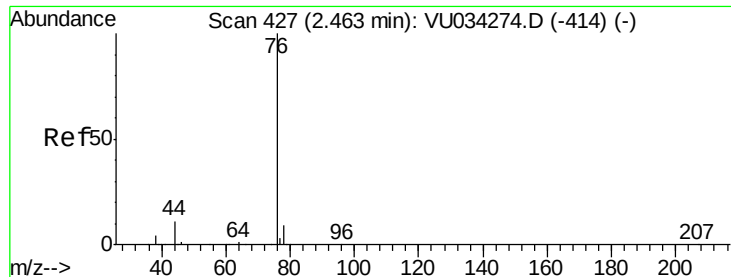
Tgt Ion: 43 Resp: 458476

Ion Ratio Lower Upper

43 100

58 35.6 27.6 41.4

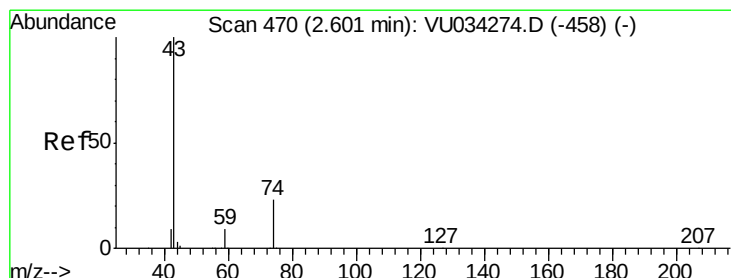
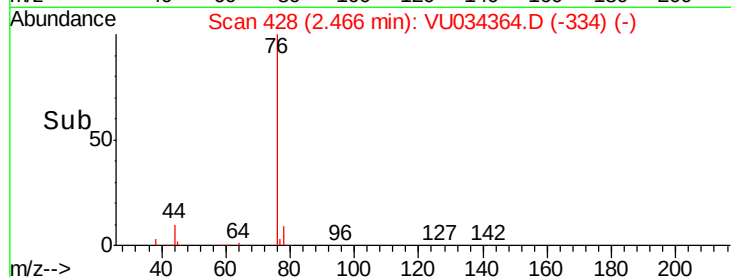
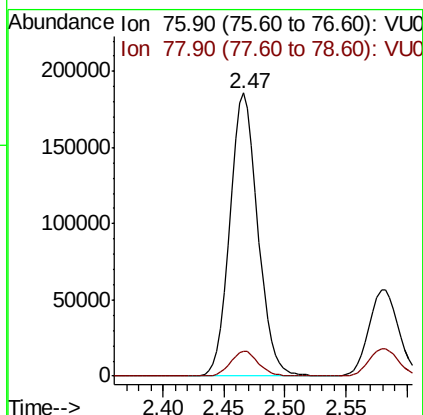
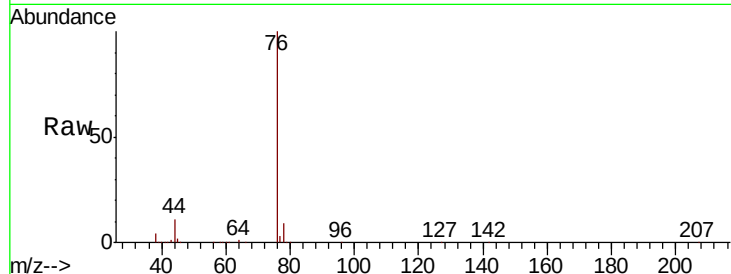




#17
Carbon Disulfide
Concen: 40.556 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

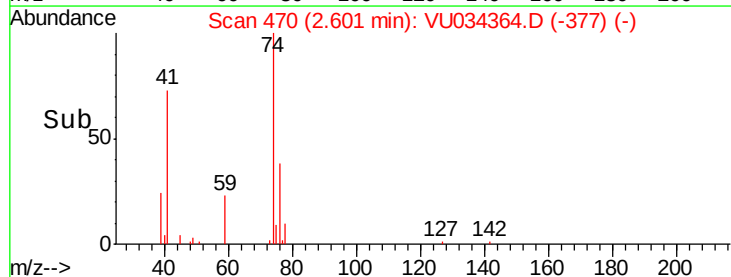
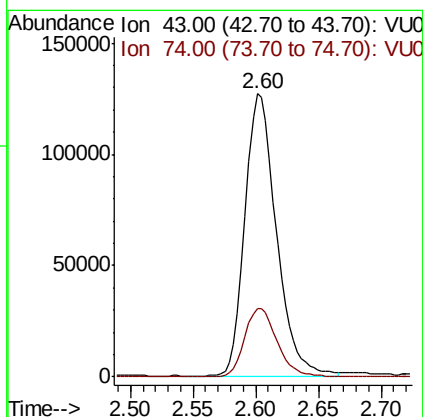
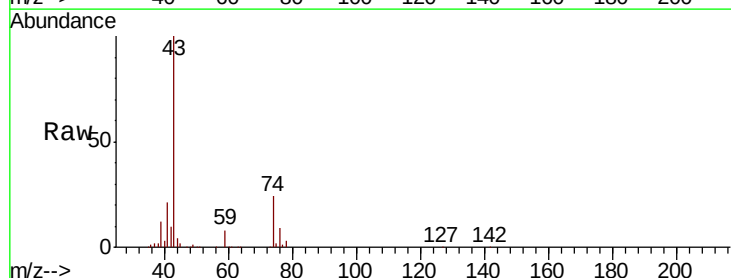
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

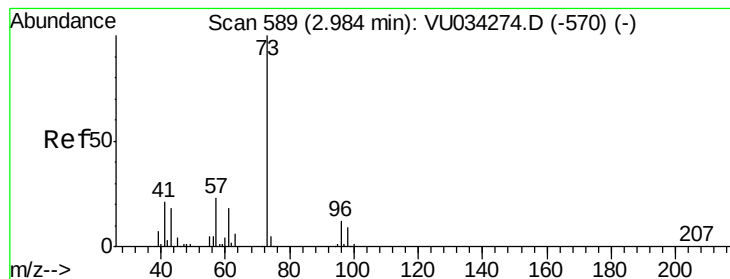
Tgt Ion: 76 Resp: 297707
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 38.692 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion: 43 Resp: 221288
Ion Ratio Lower Upper
43 100
74 25.1 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 49.862 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

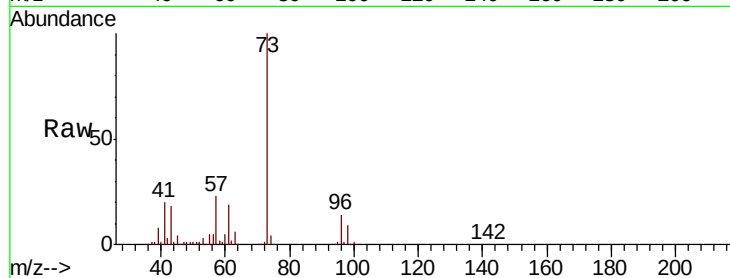
S13-0263MS

Tgt Ion: 73 Resp: 593592

Ion Ratio Lower Upper

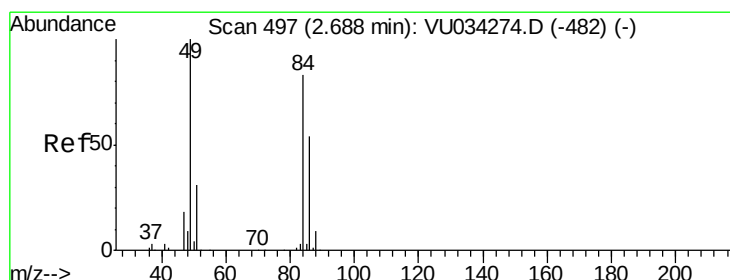
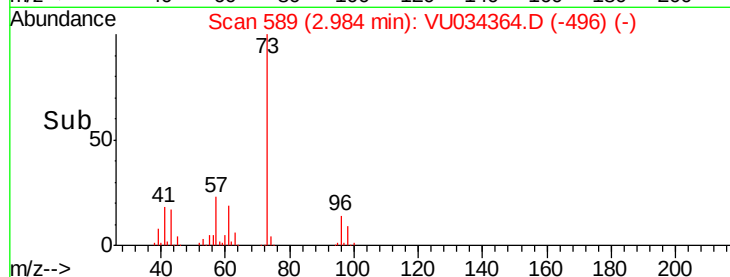
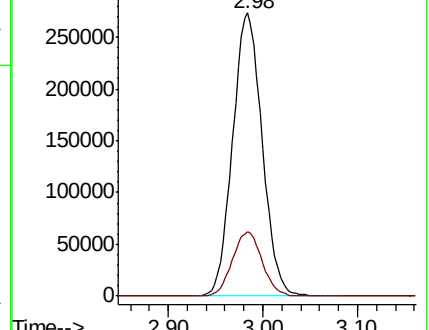
73 100

57 22.6 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VU034364.D (-496) (-)

Ion 57.00 (56.70 to 57.70): VU034364.D (-496) (-)



#20

Methylene Chloride

Concen: 48.853 ug/l

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion: 84 Resp: 188112

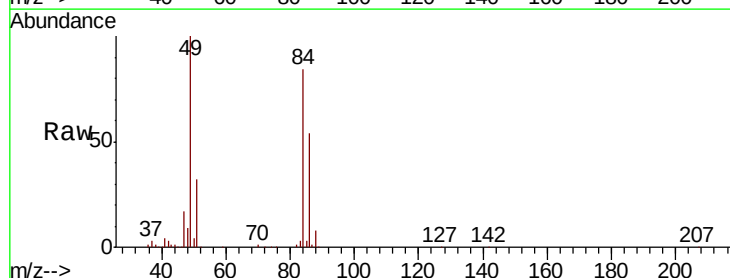
Ion Ratio Lower Upper

84 100

49 118.7 96.0 144.0

51 37.4 30.0 45.0

86 63.8 51.4 77.0

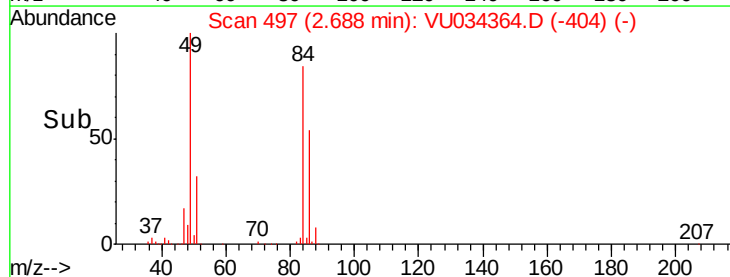
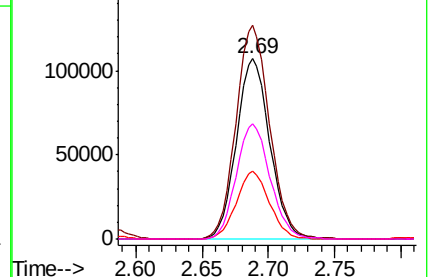


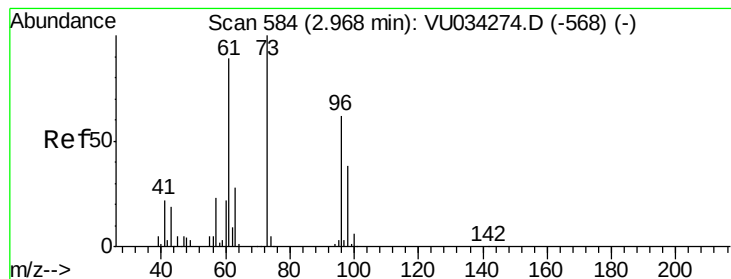
Abundance Ion 83.90 (83.60 to 84.60): VU034364.D (-404) (-)

Ion 48.90 (48.60 to 49.60): VU034364.D (-404) (-)

Ion 50.90 (50.60 to 51.60): VU034364.D (-404) (-)

Ion 85.90 (85.60 to 86.60): VU034364.D (-404) (-)





#21

trans-1,2-Dichloroethene

Concen: 45.922 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

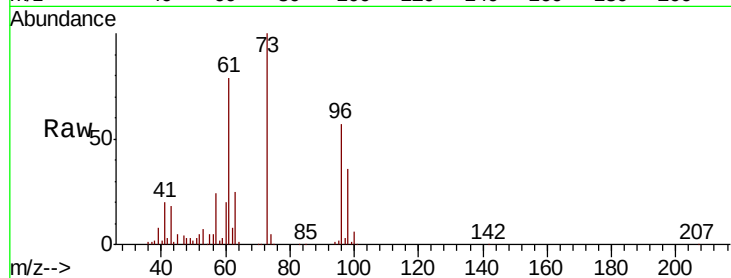
Tgt Ion: 96 Resp: 158054

Ion Ratio Lower Upper

96 100

61 139.2 114.8 172.2

98 64.3 49.8 74.8

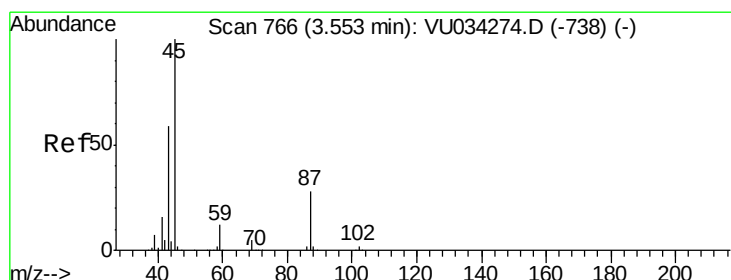
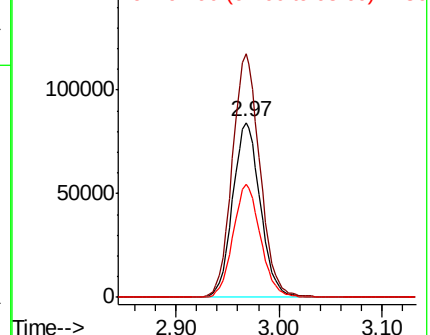
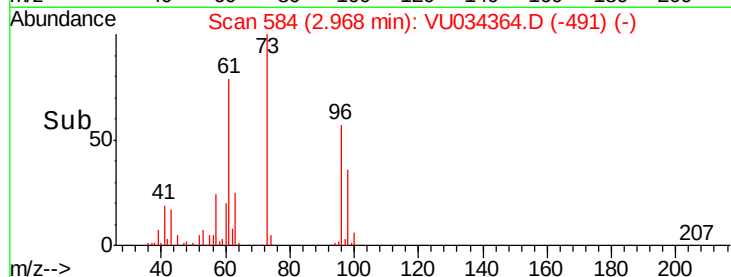


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 48.972 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion: 45 Resp: 596327

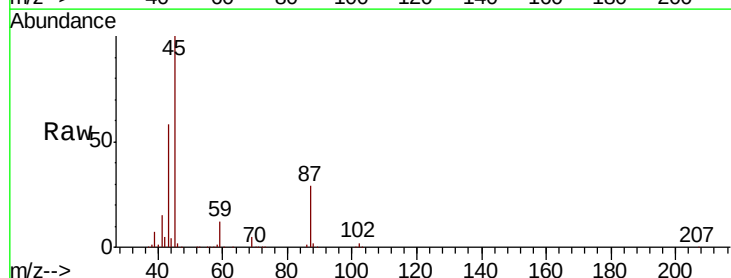
Ion Ratio Lower Upper

45 100

43 57.6 47.5 71.3

87 29.0 22.2 33.4

59 12.1 9.4 14.2



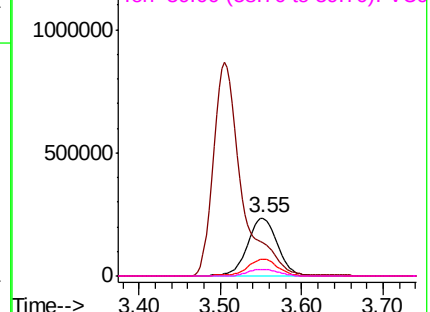
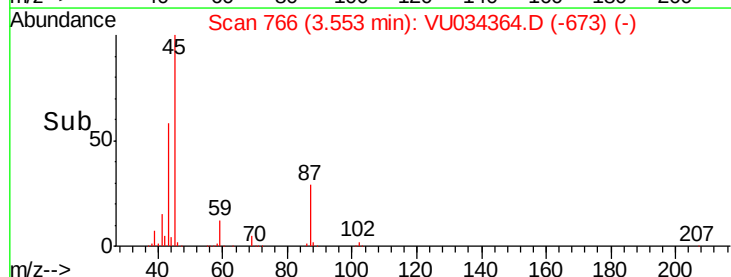
Abundance

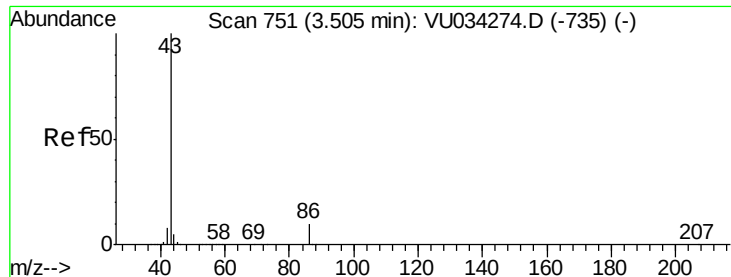
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 213.243 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

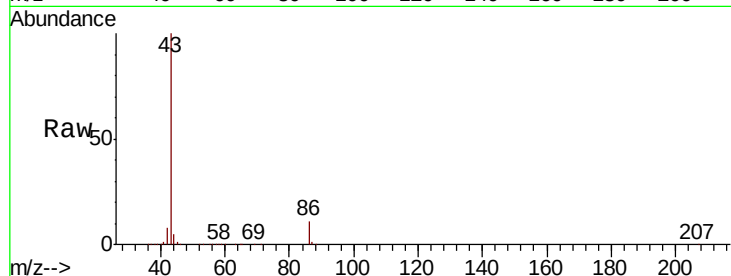
S13-0263MS

Tgt Ion: 43 Resp: 2115139

Ion Ratio Lower Upper

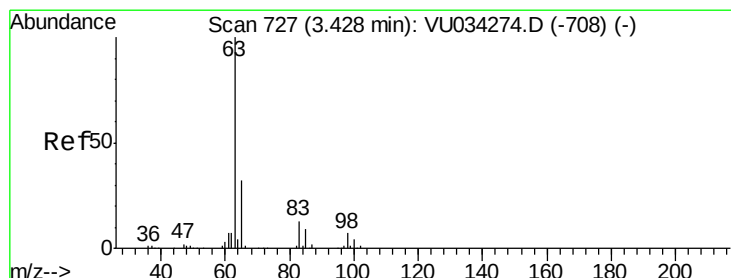
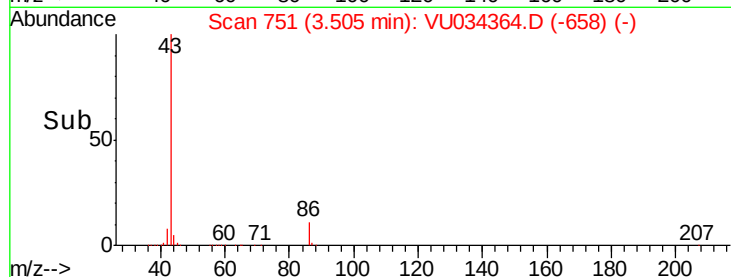
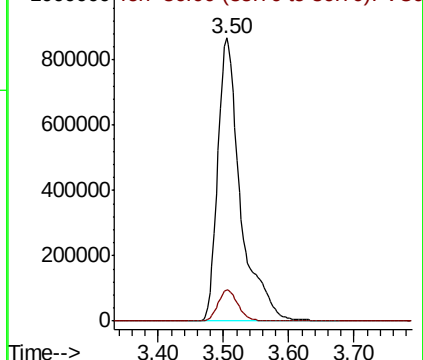
43 100

86 11.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034364.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034364.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 45.922 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

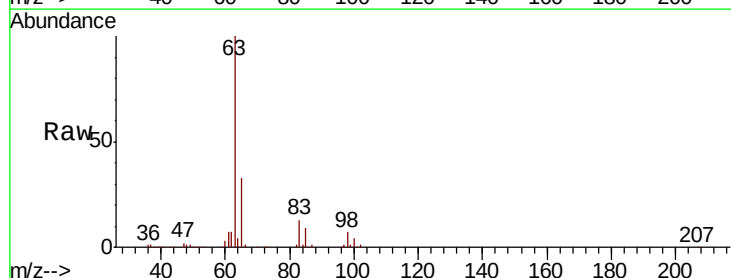
Tgt Ion: 63 Resp: 333946

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

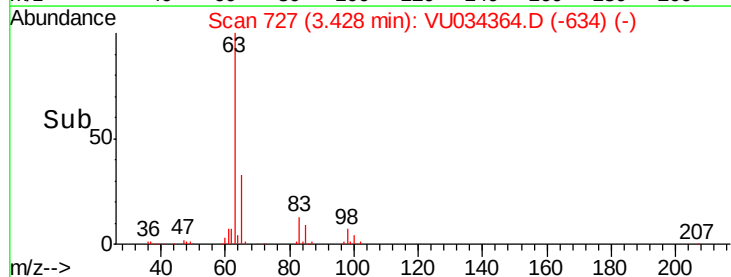
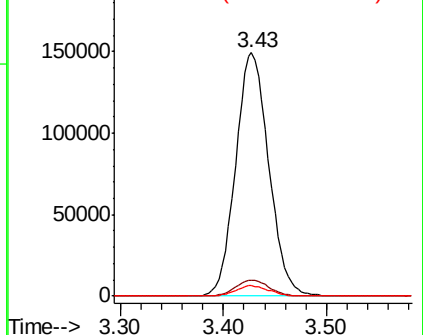
100 4.2 2.1 6.5

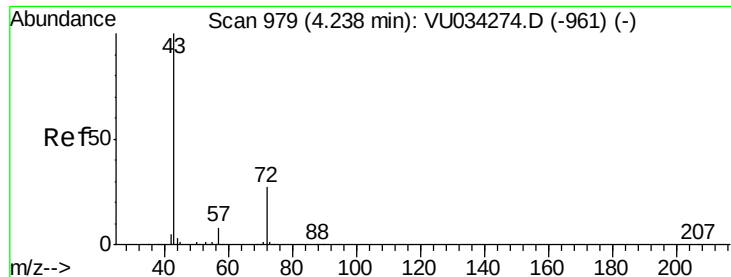


Abundance Ion 62.90 (62.60 to 63.60): VU034364.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034364.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034364.D (-634) (-)





#25

2-Butanone

Concen: 240.976 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

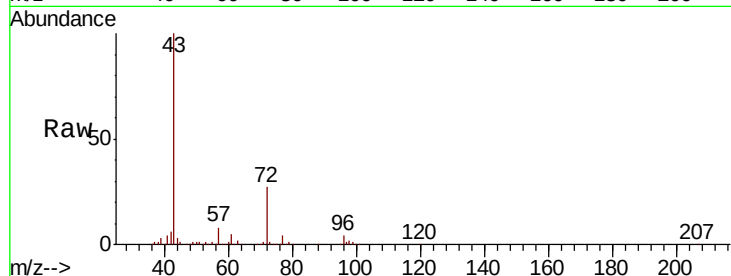
S13-0263MS

Tgt Ion: 43 Resp: 756072

Ion Ratio Lower Upper

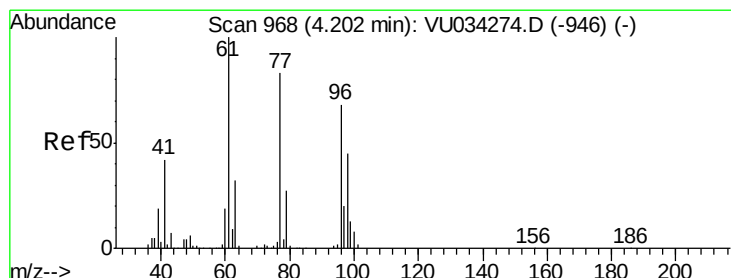
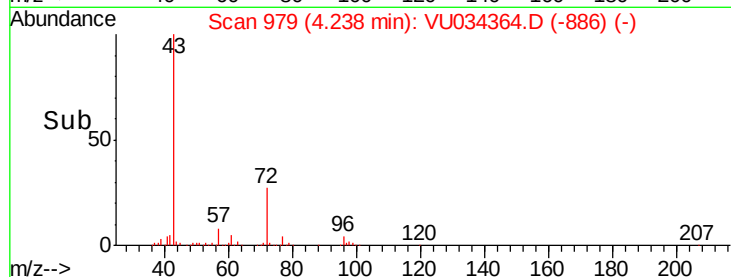
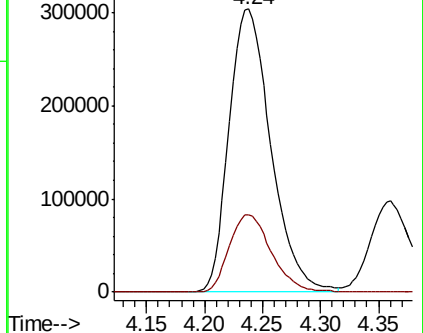
43 100

72 27.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)



#26

2,2-Dichloropropane

Concen: 35.197 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034364.D

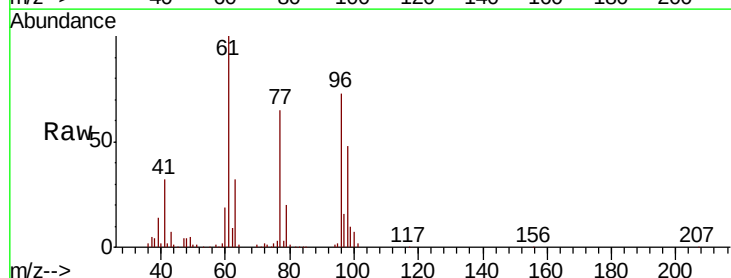
Acq: 07 Sep 2019 04:55

Tgt Ion: 77 Resp: 205855

Ion Ratio Lower Upper

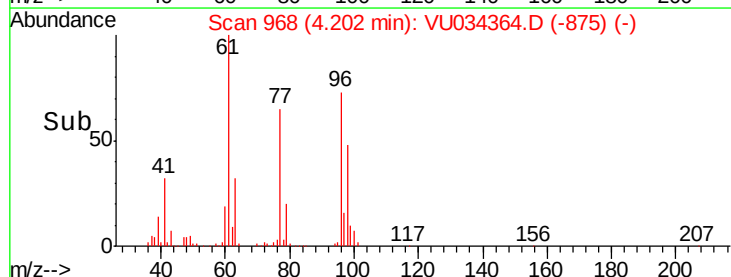
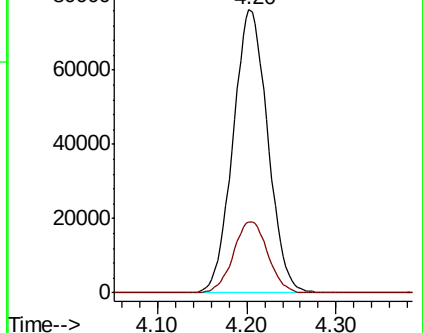
77 100

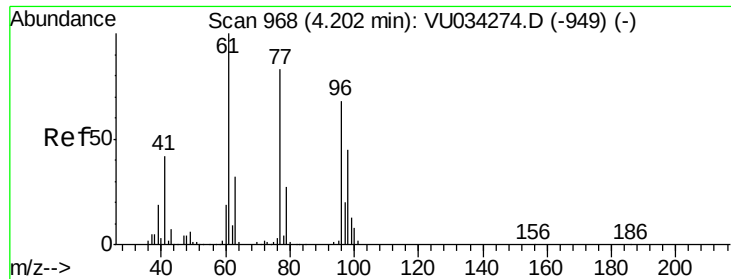
97 25.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)



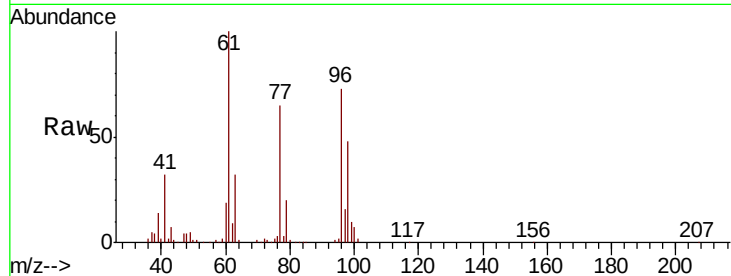


#27

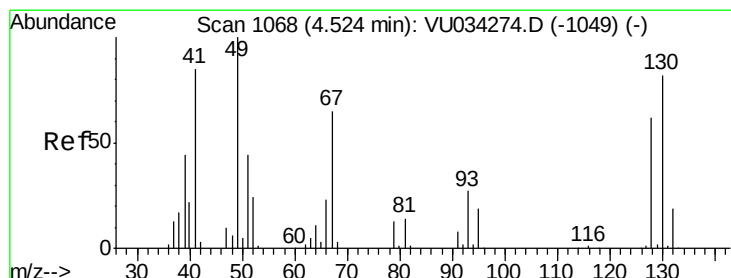
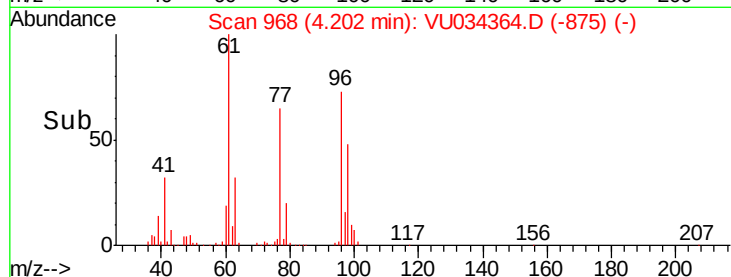
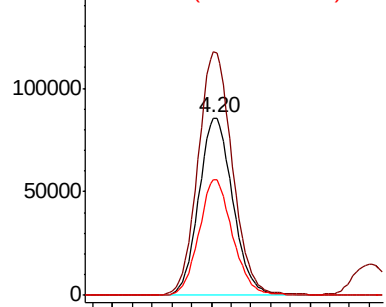
cis-1,2-Dichloroethene
 Concen: 49.331 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Tgt Ion: 96 Resp: 206213
 Ion Ratio Lower Upper
 96 100
 61 138.8 0.0 297.4
 98 64.6 0.0 130.0



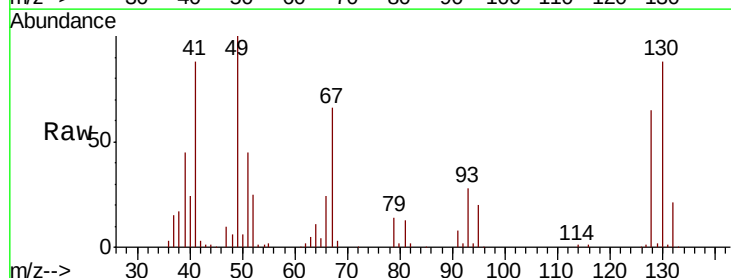
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



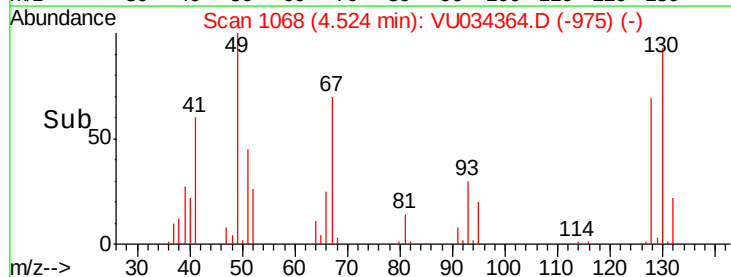
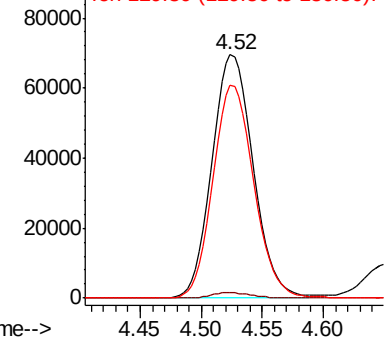
#28

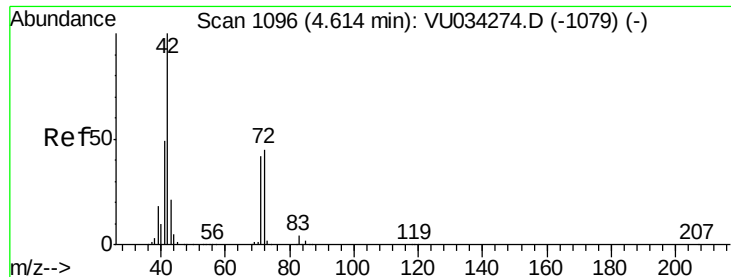
Bromochloromethane
 Concen: 48.636 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 49 Resp: 162680
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 3.8
 130 87.0 65.2 97.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

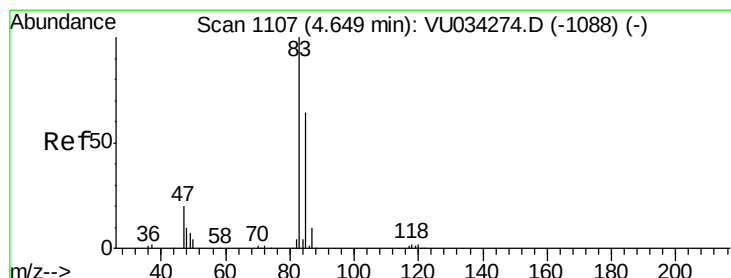
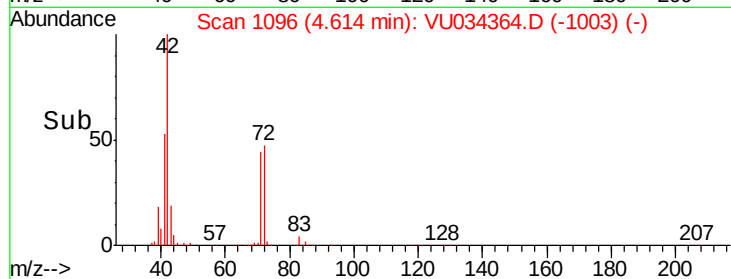
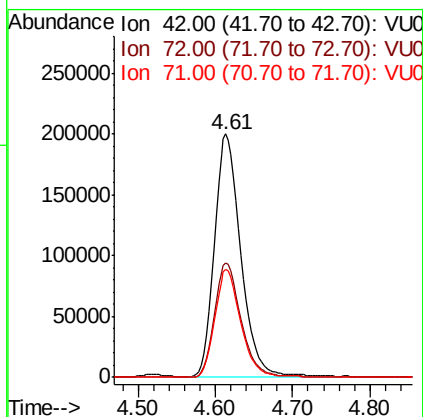
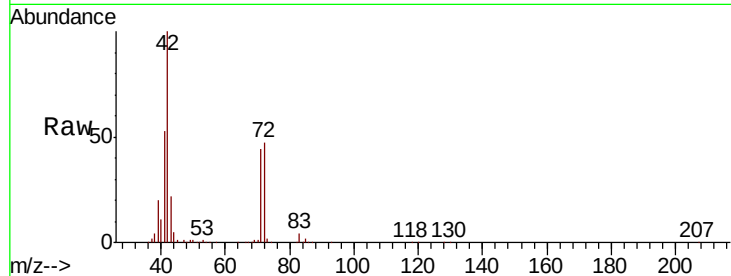




#29
Tetrahydrofuran
Concen: 249.980 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

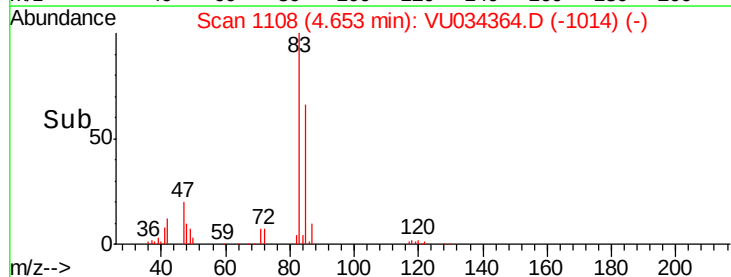
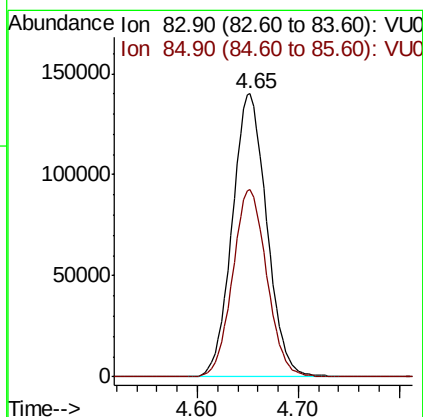
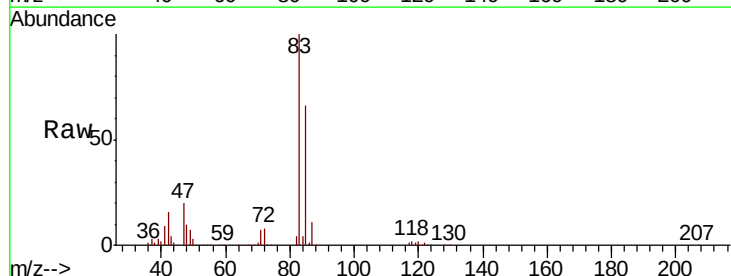
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

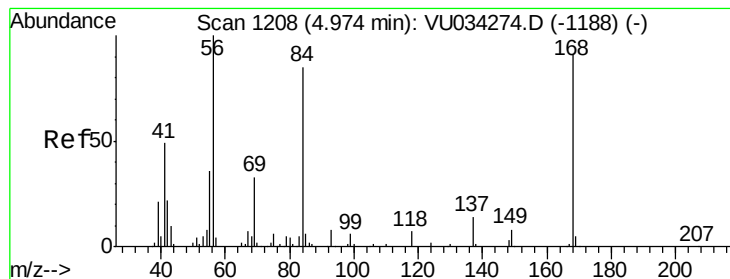
Tgt Ion: 42 Resp: 477266
Ion Ratio Lower Upper
42 100
72 47.5 36.6 54.8
71 44.1 34.3 51.5



#30
Chloroform
Concen: 45.054 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion: 83 Resp: 333030
Ion Ratio Lower Upper
83 100
85 66.2 51.5 77.3





#31

Cyclohexane

Concen: 44.765 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

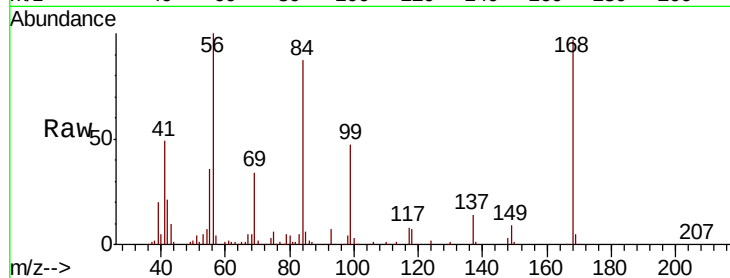
Tgt Ion: 56 Resp: 238155

Ion Ratio Lower Upper

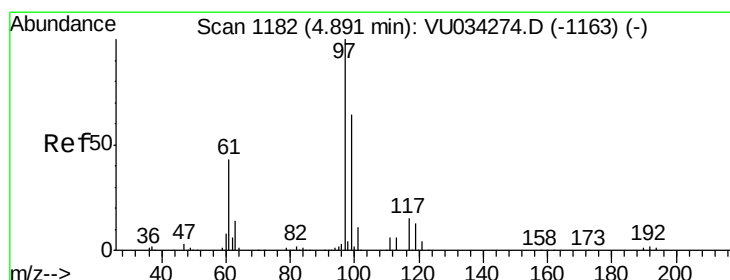
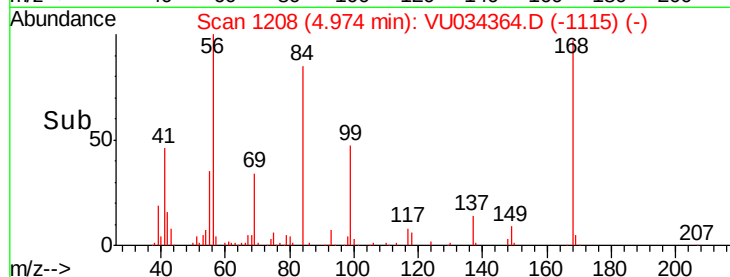
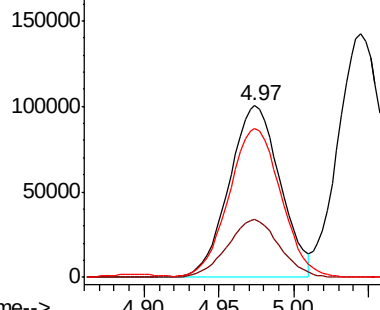
56 100

69 33.6 26.7 40.1

84 85.8 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 45.840 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

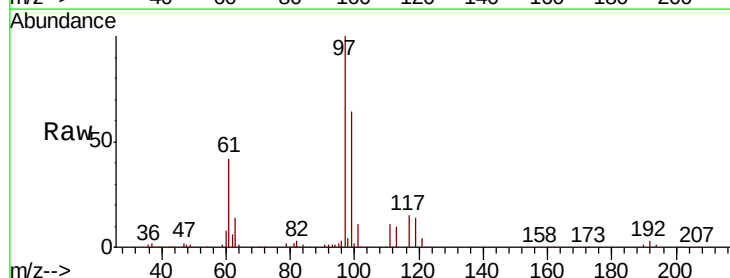
Tgt Ion: 97 Resp: 270911

Ion Ratio Lower Upper

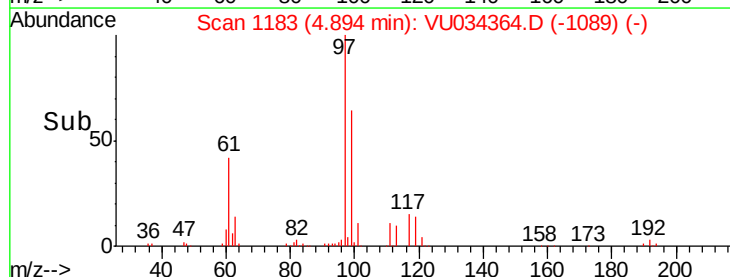
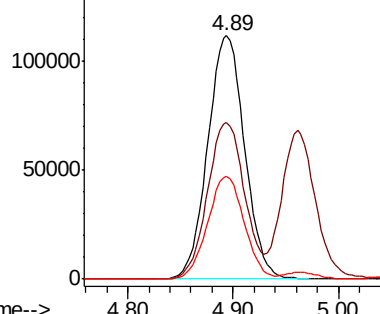
97 100

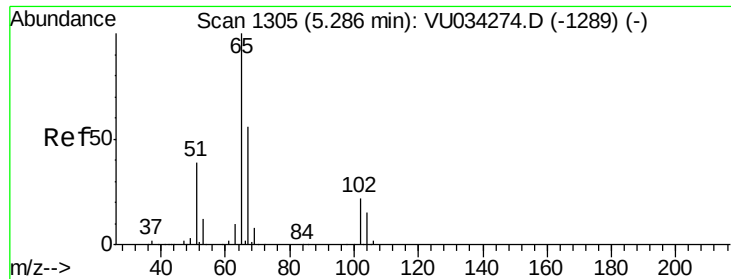
99 64.8 50.9 76.3

61 42.0 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

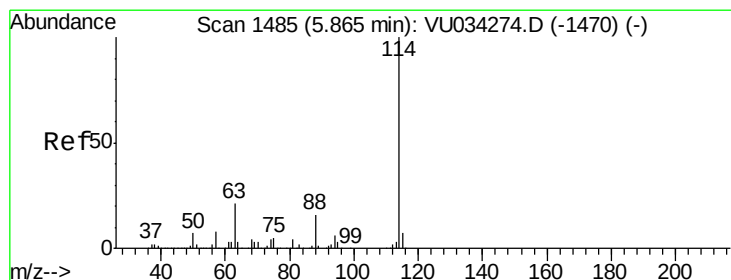
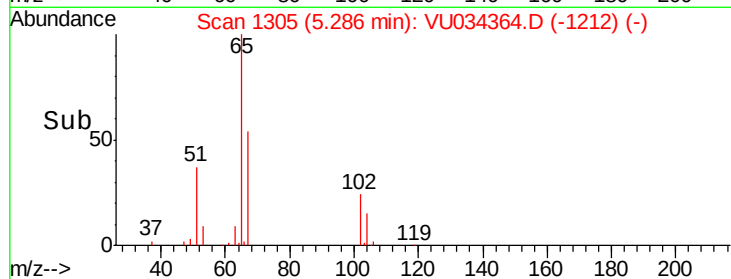
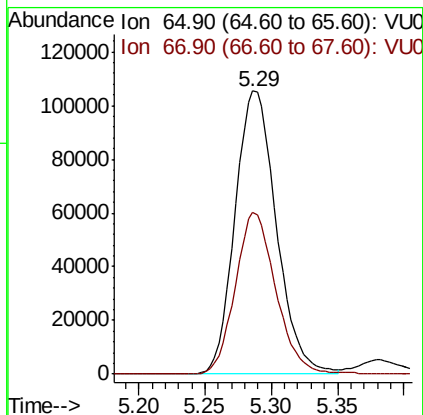
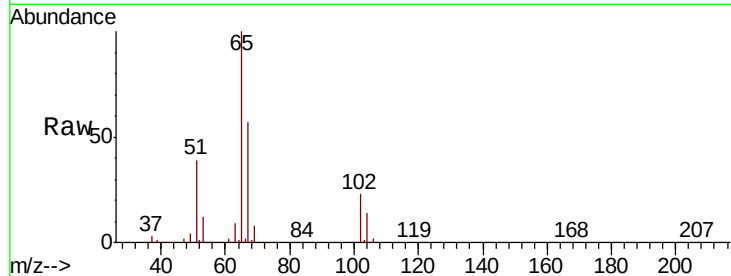




#33
 1,2-Dichloroethane-d4
 Concen: 50.285 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

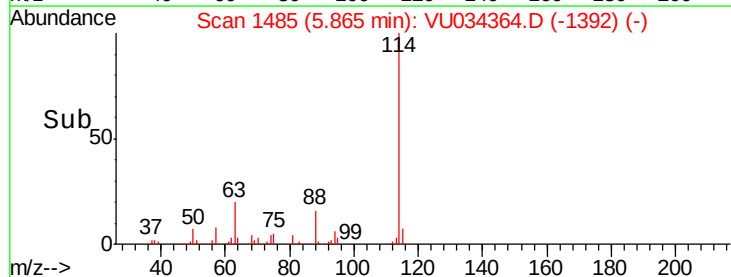
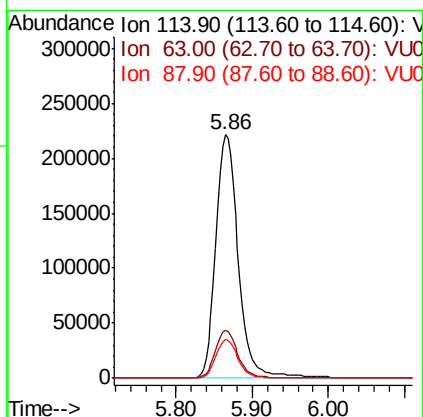
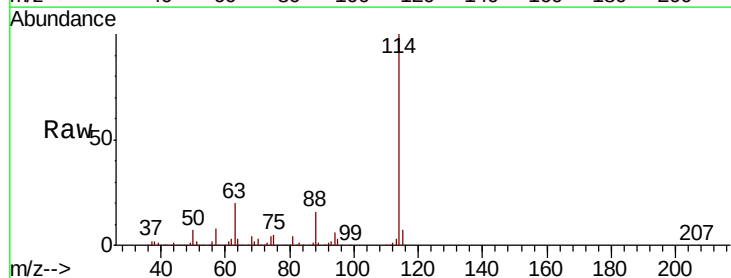
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

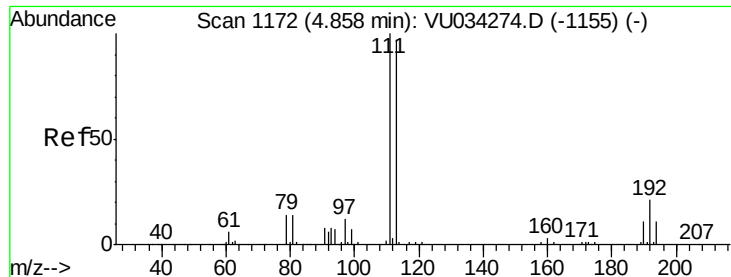
Tgt Ion: 65 Resp: 228395
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 114 Resp: 454619
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.4
 88 15.7 0.0 32.4

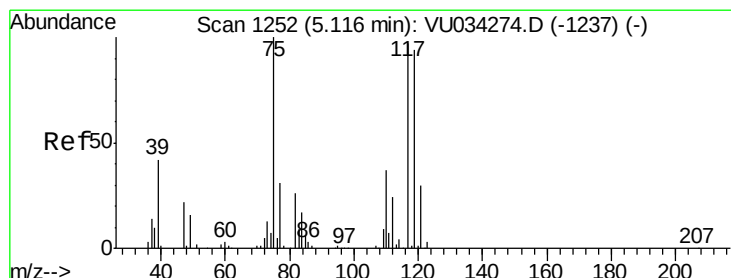
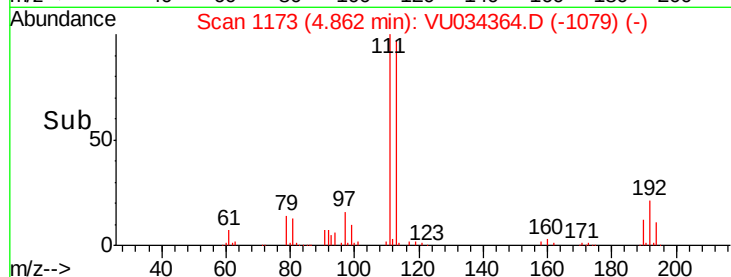
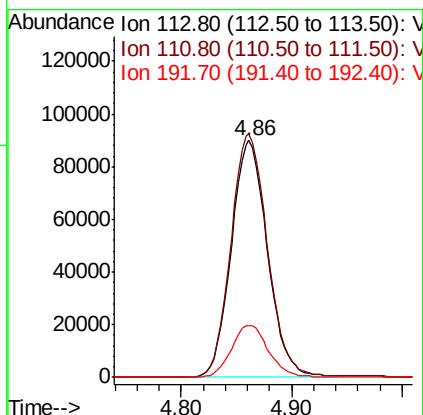
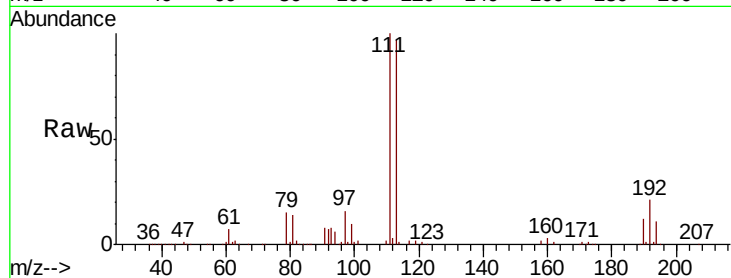




#35
 Dibromofluoromethane
 Concen: 48.448 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

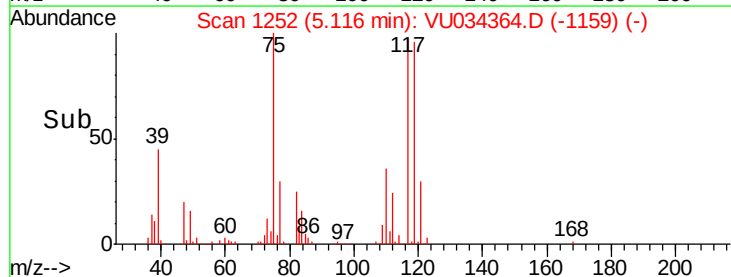
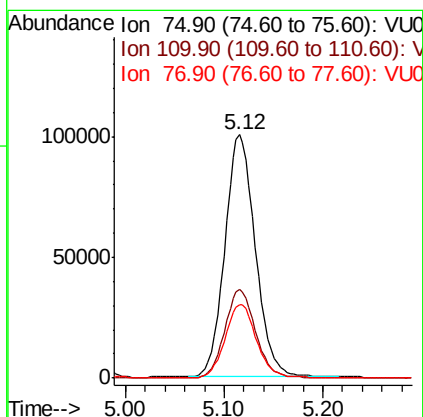
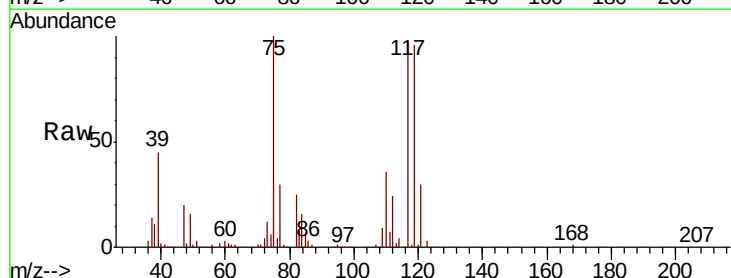
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

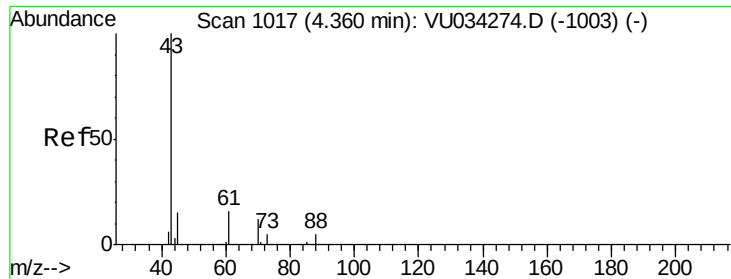
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.5	122.3
192	22.5	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 43.988 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.3	54.9
77	30.5	24.9	37.3

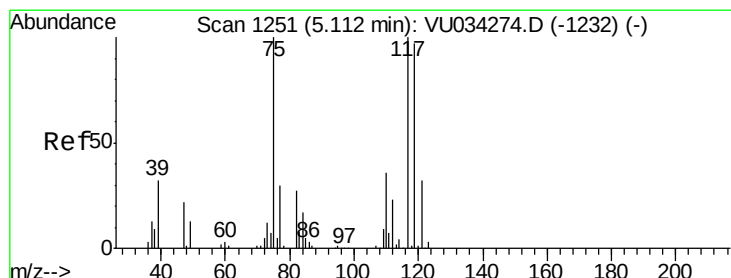
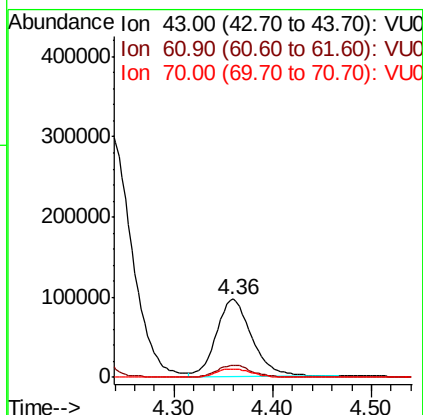
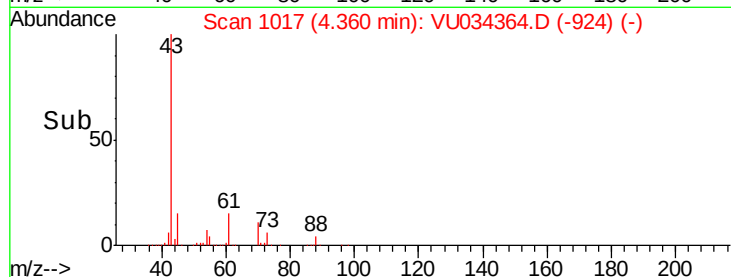
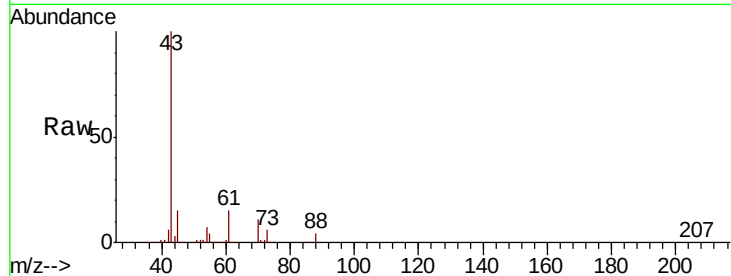




#37
Ethyl Acetate
Concen: 41.330 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

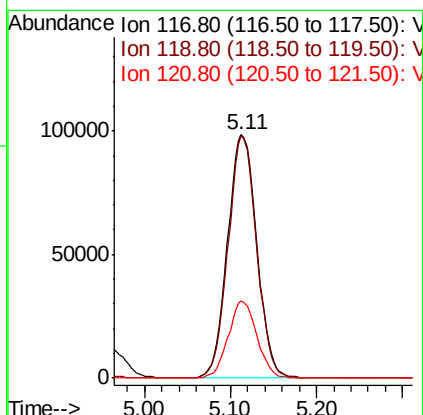
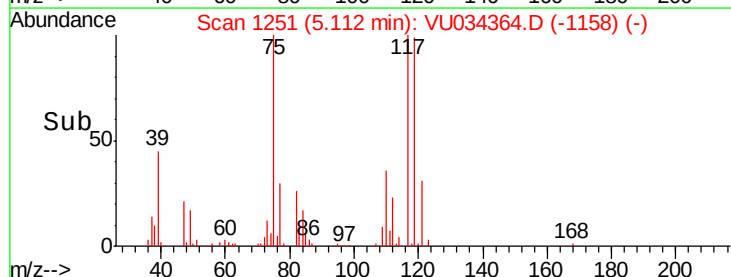
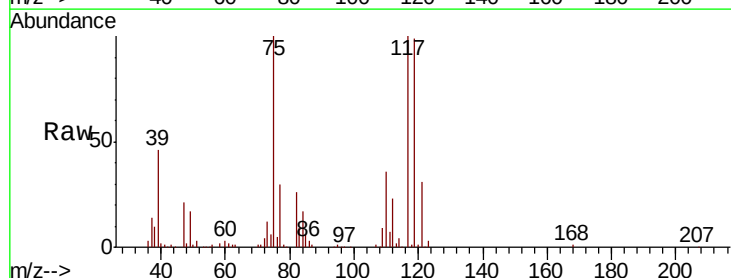
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

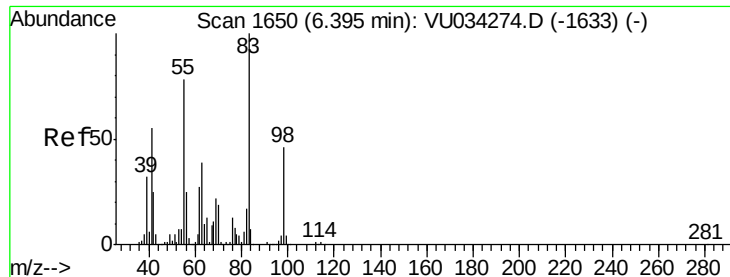
Tgt Ion: 43 Resp: 240923
Ion Ratio Lower Upper
43 100
61 15.0 12.3 18.5
70 11.4 9.1 13.7



#38
Carbon Tetrachloride
Concen: 44.288 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion: 117 Resp: 233147
Ion Ratio Lower Upper
117 100
119 99.3 77.8 116.6
121 31.5 25.2 37.8

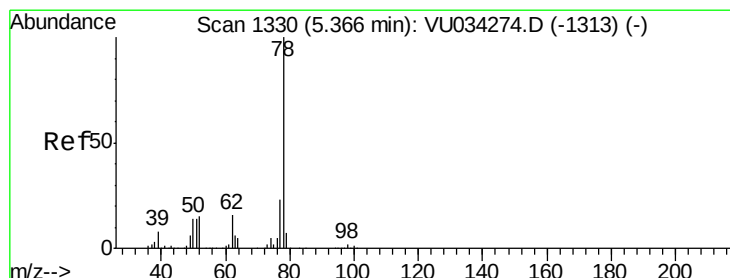
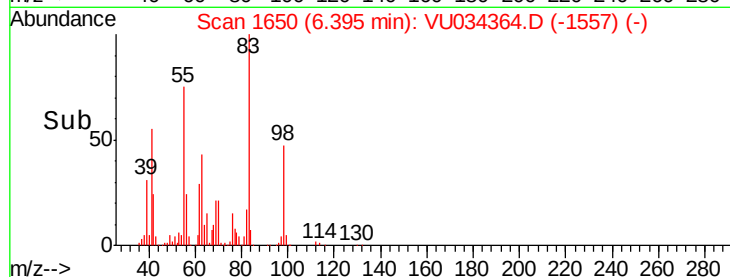
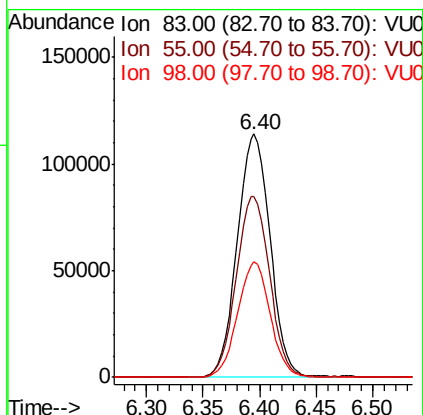
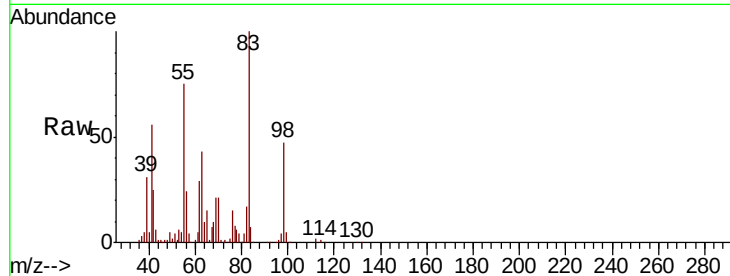




#39
Methylcyclohexane
Concen: 44.036 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

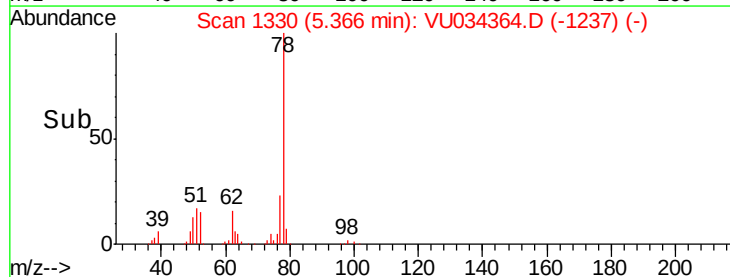
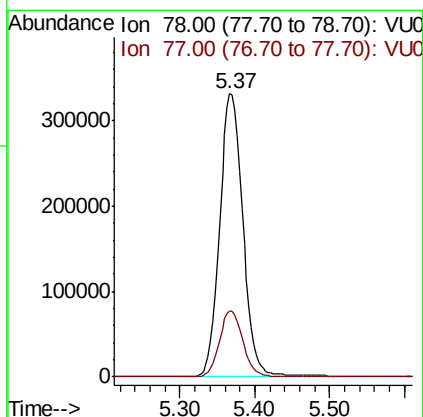
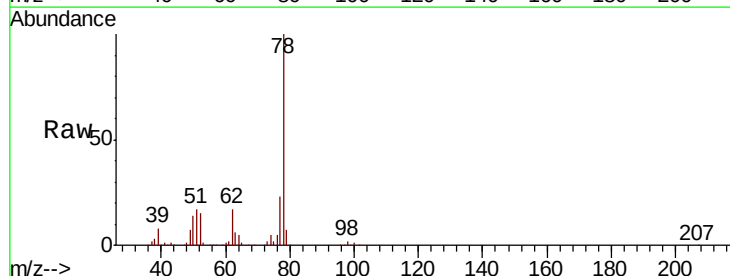
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

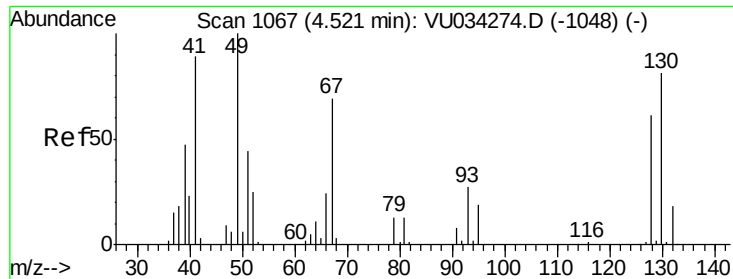
Tgt Ion: 83 Resp: 232095
Ion Ratio Lower Upper
83 100
55 74.5 62.1 93.1
98 47.5 37.0 55.6



#40
Benzene
Concen: 45.020 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion: 78 Resp: 716225
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

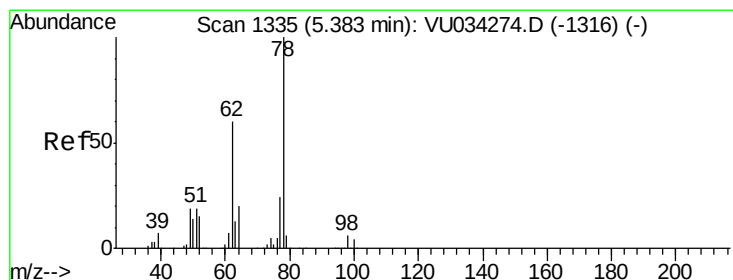
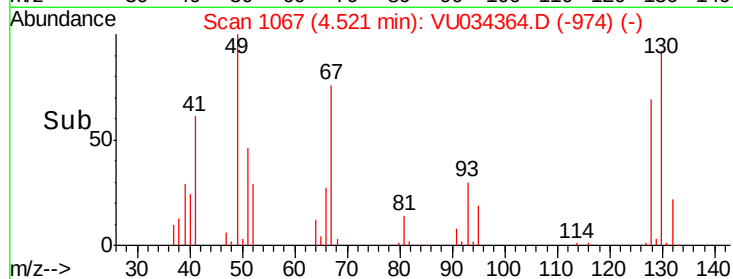
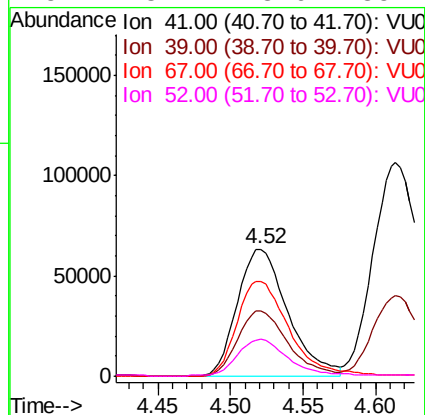
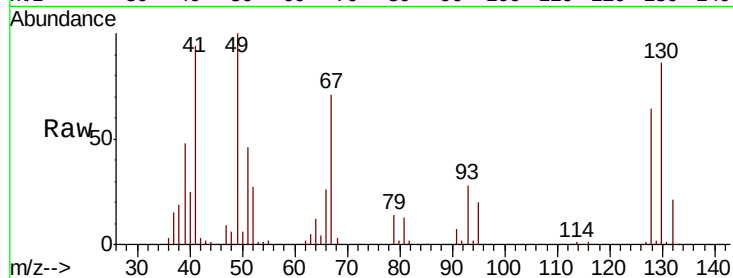




#41
Methacrylonitrile
Concen: 49.069 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

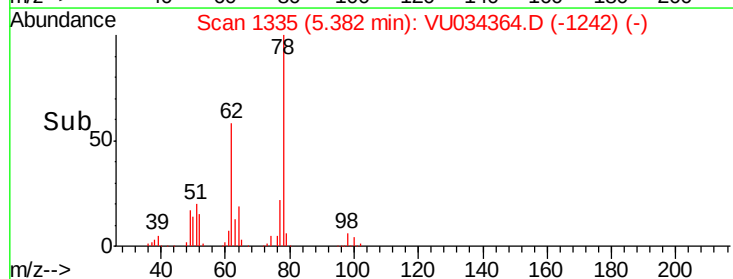
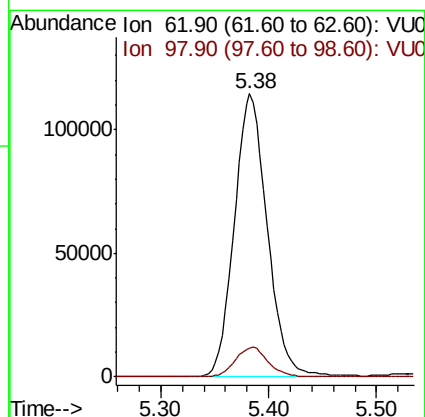
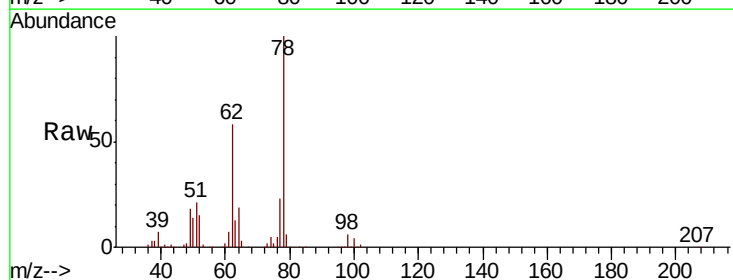
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

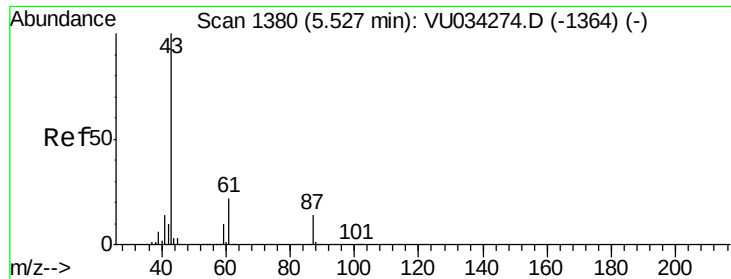
Tgt Ion:	41	Resp:	152362
Ion	Ratio	Lower	Upper
41	100		
39	50.8	41.0	61.4
67	78.2	62.4	93.6
52	28.7	23.6	35.4



#42
1,2-Dichloroethane
Concen: 44.143 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion:	62	Resp:	243825
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.0





#43

Isopropyl Acetate

Concen: 44.036 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

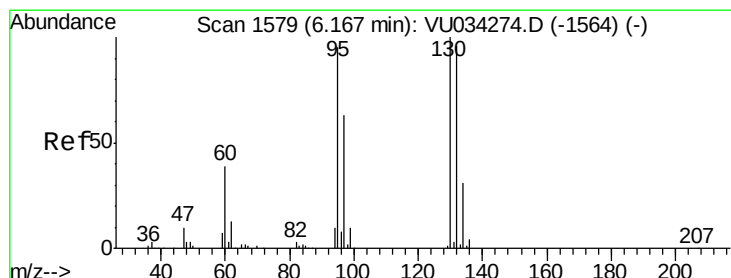
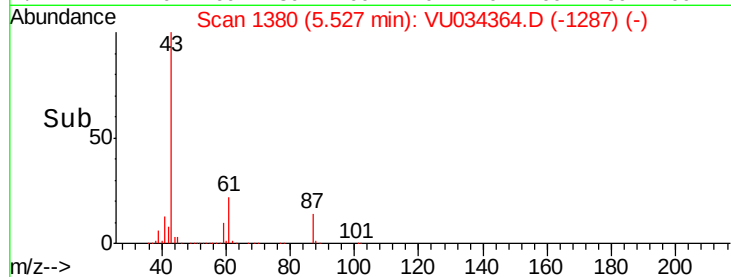
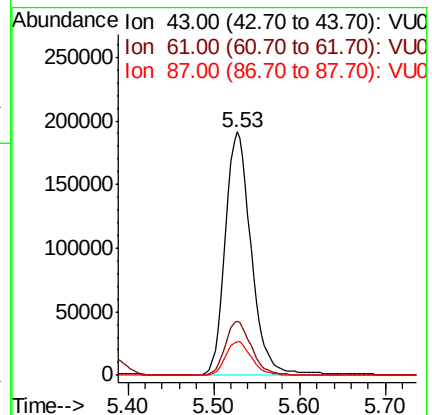
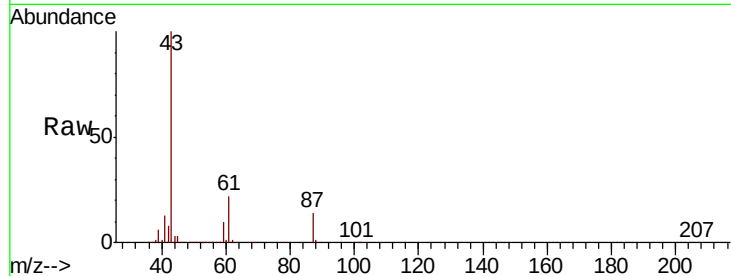
Tgt Ion: 43 Resp: 400447

Ion Ratio Lower Upper

43 100

61 22.6 17.1 25.7

87 14.1 11.1 16.7



#44

Trichloroethene

Concen: 46.266 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VU034364.D

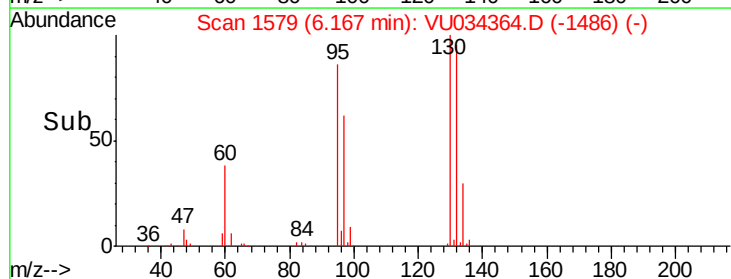
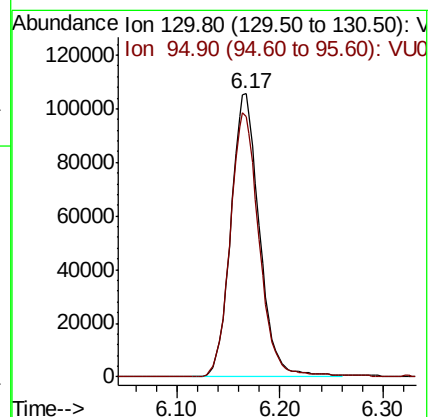
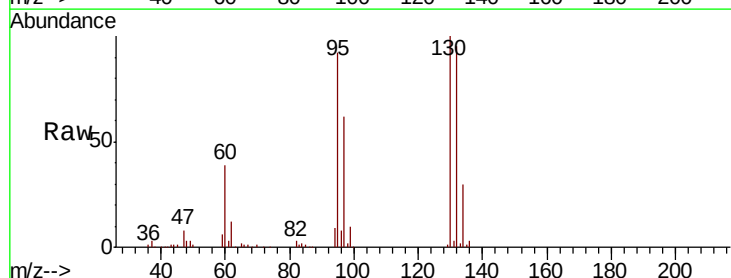
Acq: 07 Sep 2019 04:55

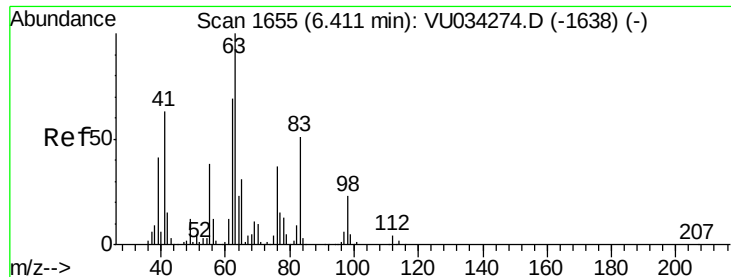
Tgt Ion: 130 Resp: 203680

Ion Ratio Lower Upper

130 100

95 92.2 0.0 189.2





#45

1,2-Dichloropropane

Concen: 45.669 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

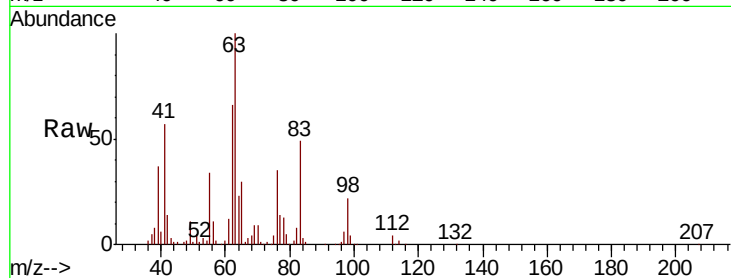
S13-0263MS

Tgt Ion: 63 Resp: 212400

Ion Ratio Lower Upper

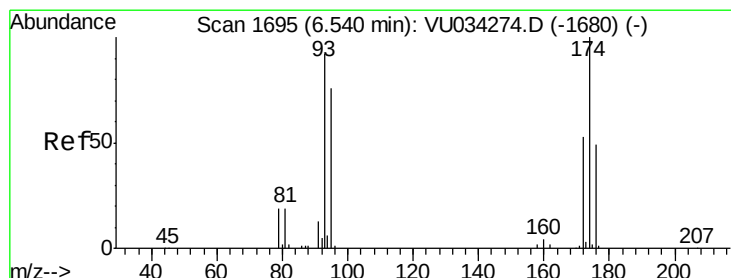
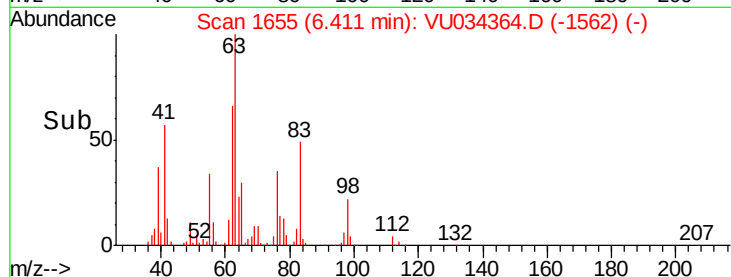
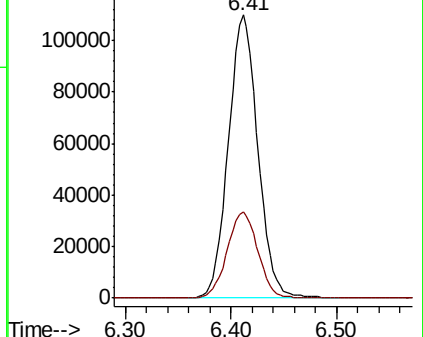
63 100

65 30.3 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034274.D (-1638) (-)



#46

Dibromomethane

Concen: 45.024 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

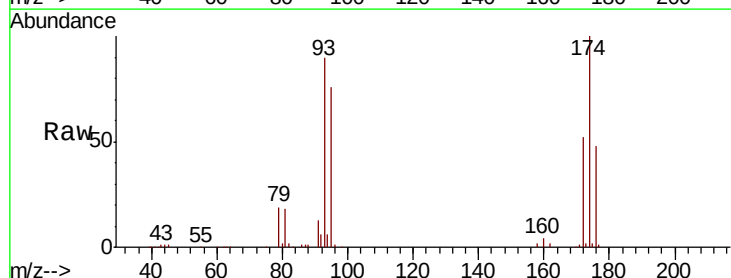
Tgt Ion: 93 Resp: 131442

Ion Ratio Lower Upper

93 100

95 85.1 66.5 99.7

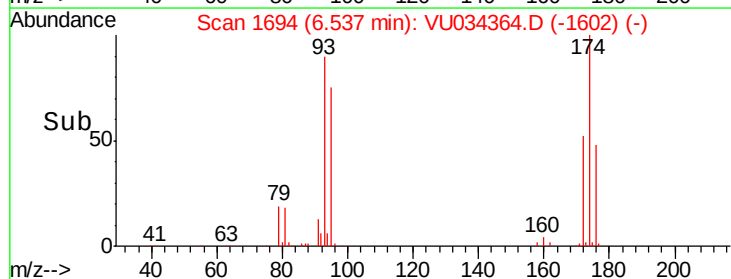
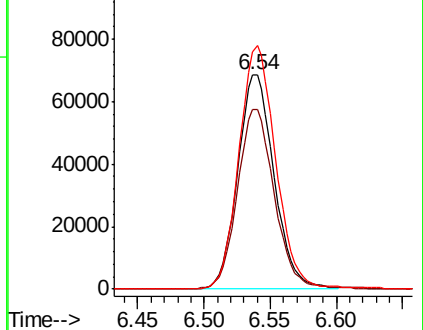
174 114.3 87.8 131.6

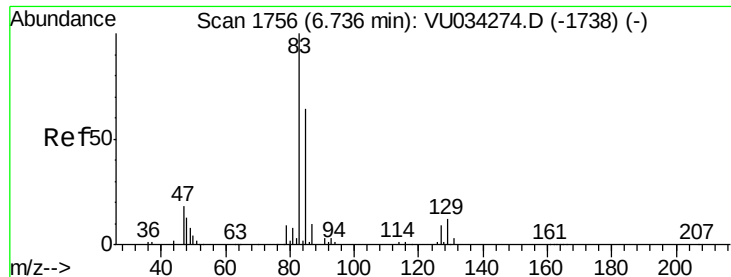


Abundance Ion 92.80 (92.50 to 93.50): VU034274.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034274.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034274.D (-1680) (-)





#47

Bromodichloromethane

Concen: 44.566 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

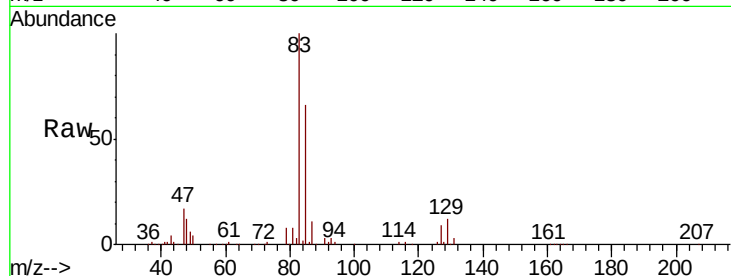
Tgt Ion: 83 Resp: 267810

Ion Ratio Lower Upper

83 100

85 65.7 51.1 76.7

127 9.1 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034364.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034364.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034364.D (-1663) (-)

6.74

150000

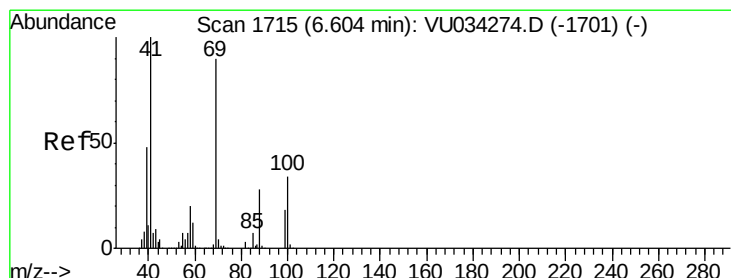
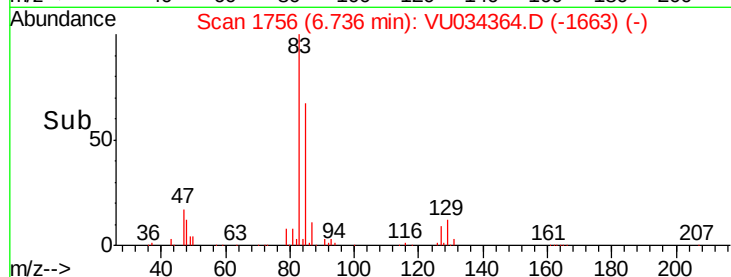
100000

50000

0

6.70 6.80

Time-->



#48

Methyl methacrylate

Concen: 46.704 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

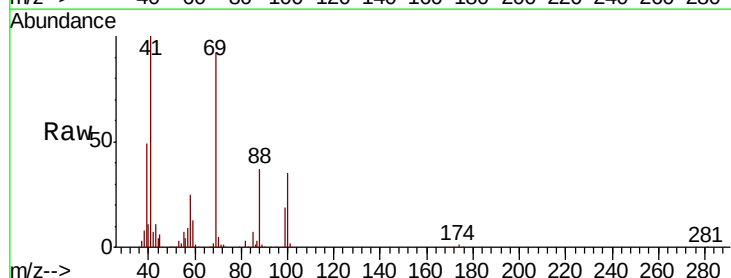
Tgt Ion: 41 Resp: 201720

Ion Ratio Lower Upper

41 100

69 93.9 72.8 109.2

39 48.6 38.6 58.0



Abundance Ion 41.00 (40.70 to 41.70): VU034364.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034364.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034364.D (-1622) (-)

6.60

150000

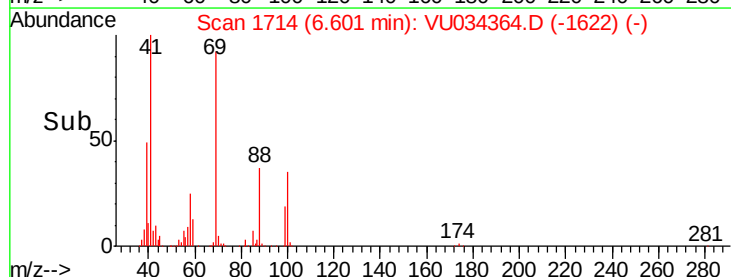
100000

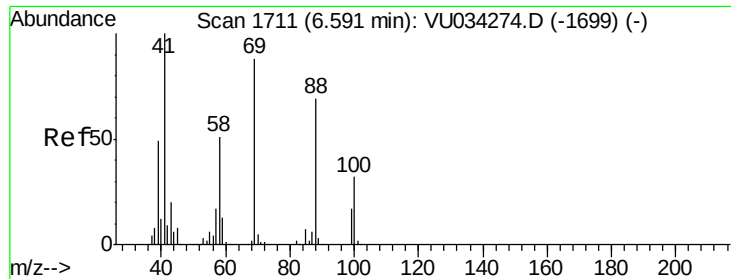
50000

0

6.55 6.60 6.65

Time-->

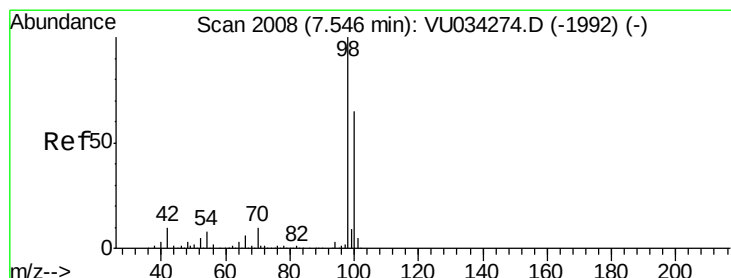
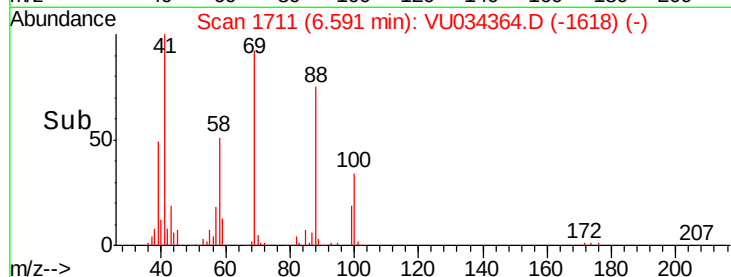
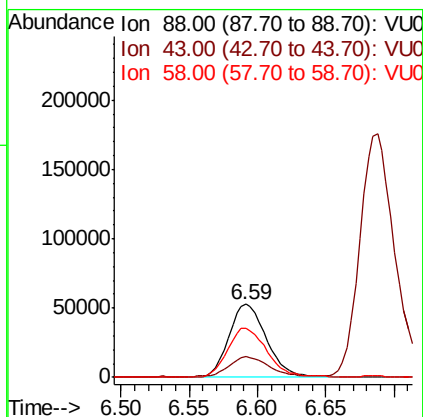
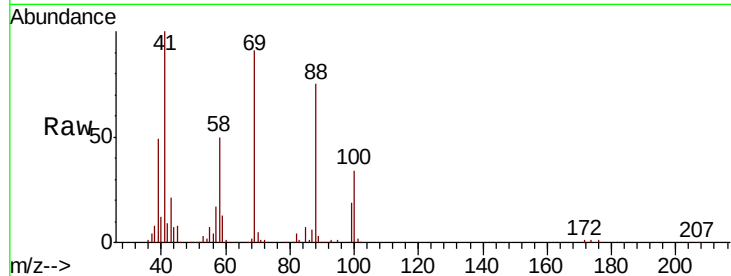




#49
 1,4-Dioxane
 Concen: 1065.069 ug/l
 RT: 6.59 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

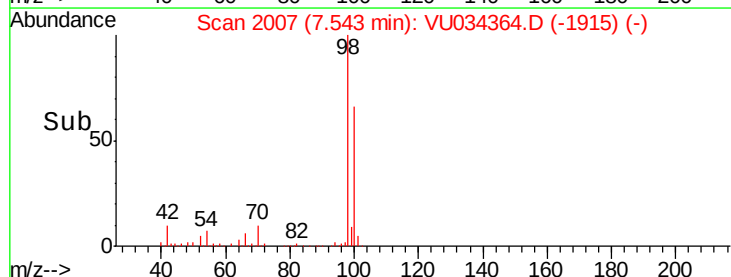
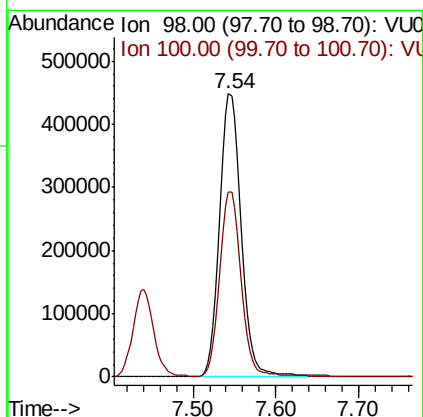
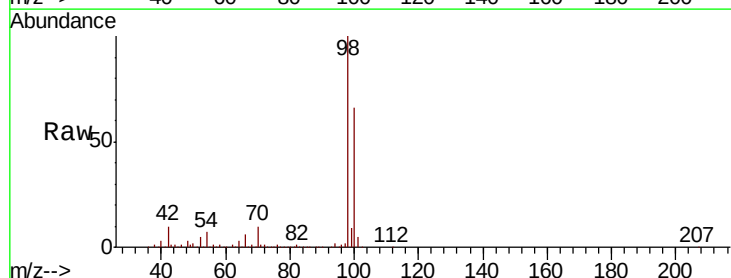
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

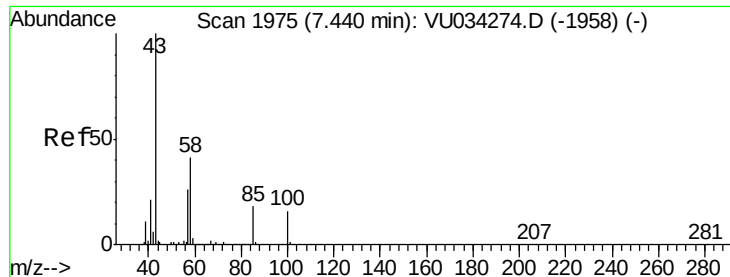
Tgt Ion: 88 Resp: 100451
 Ion Ratio Lower Upper
 88 100
 43 27.7 23.8 35.6
 58 71.3 58.4 87.6



#50
 Toluene-d8
 Concen: 51.052 ug/l
 RT: 7.54 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 98 Resp: 811375
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.7 77.5

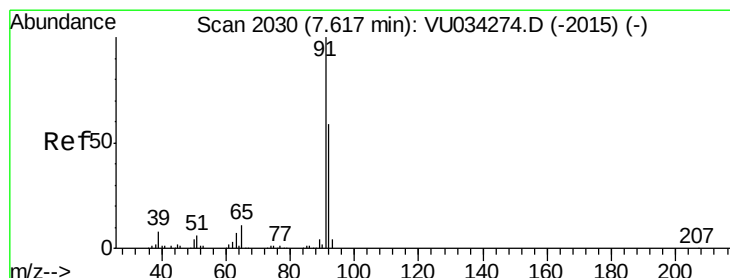
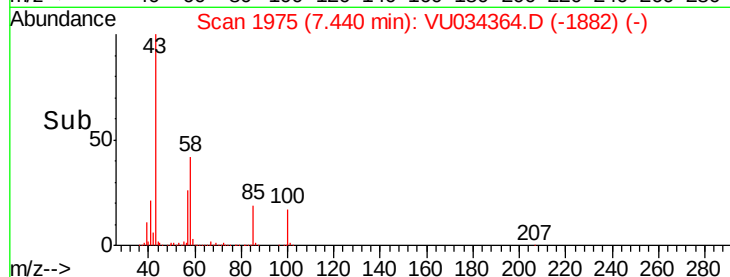
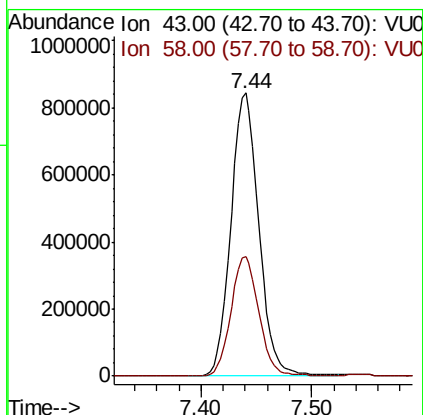
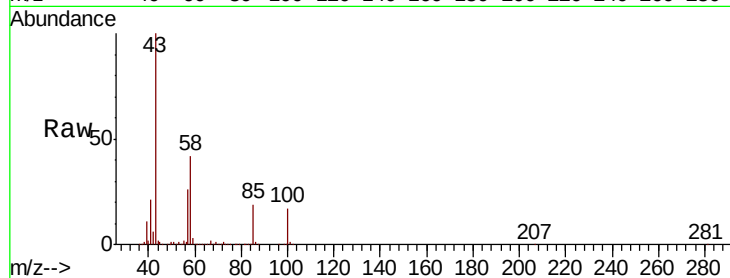




#51
 4-Methyl-2-Pentanone
 Concen: 235.432 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

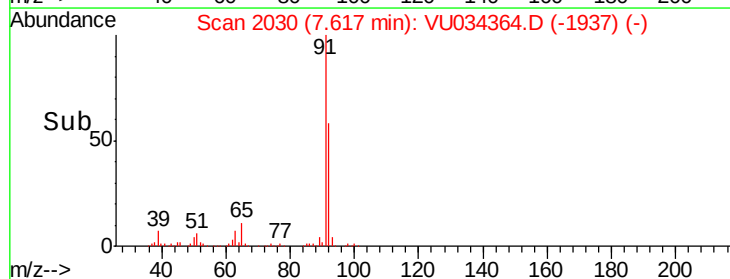
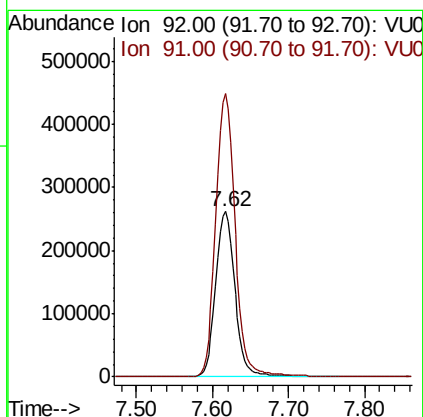
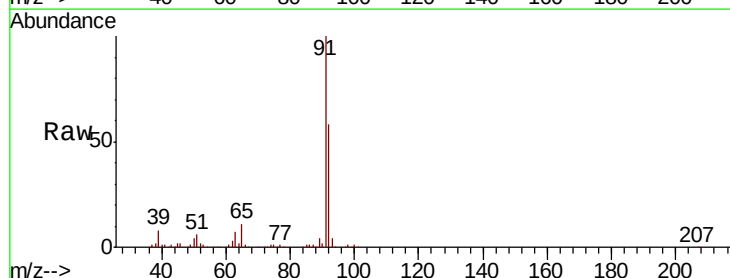
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

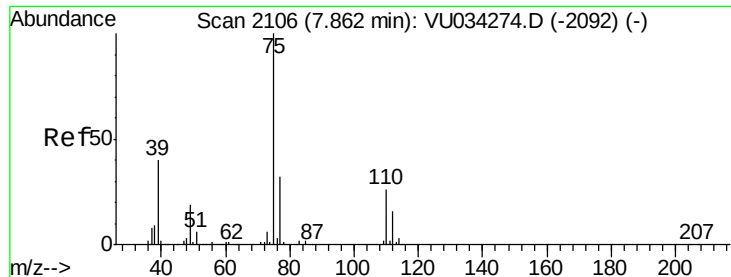
Tgt Ion: 43 Resp: 1481956
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.0 49.4



#52
 Toluene
 Concen: 46.605 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 92 Resp: 465116
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 45.151 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

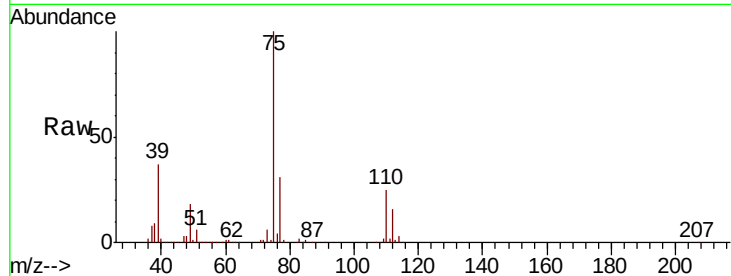
S13-0263MS

Tgt Ion: 75 Resp: 281268

Ion Ratio Lower Upper

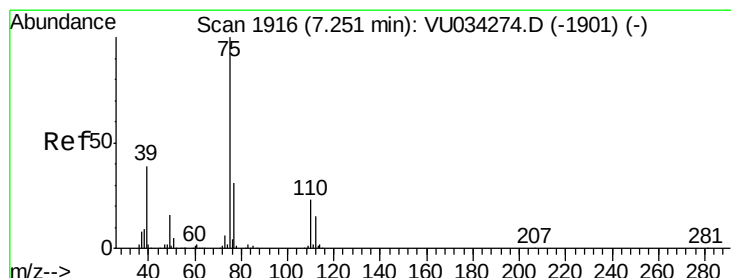
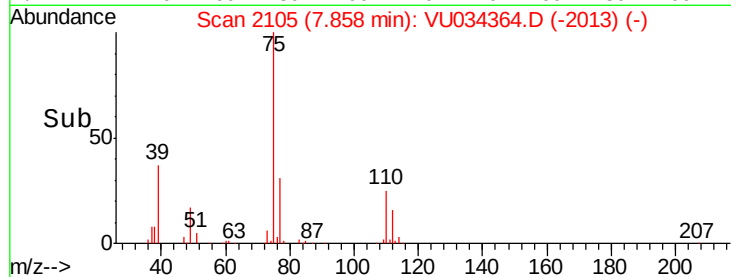
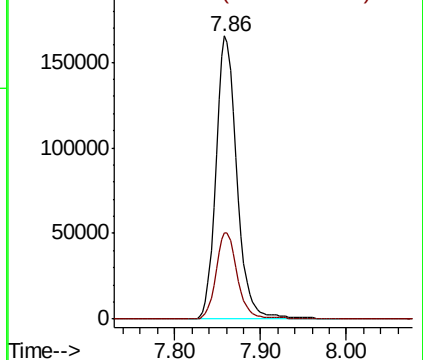
75 100

77 30.6 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 44.598 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

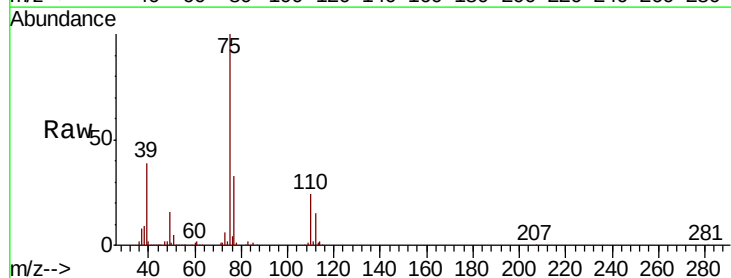
Tgt Ion: 75 Resp: 304915

Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7

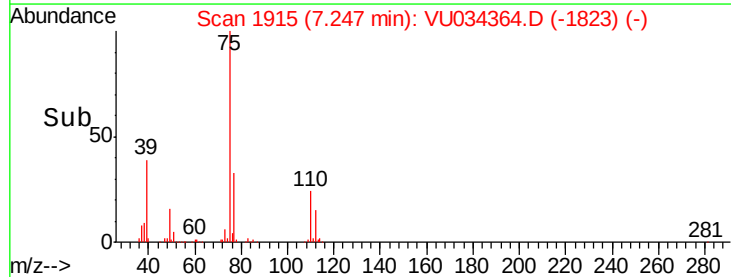
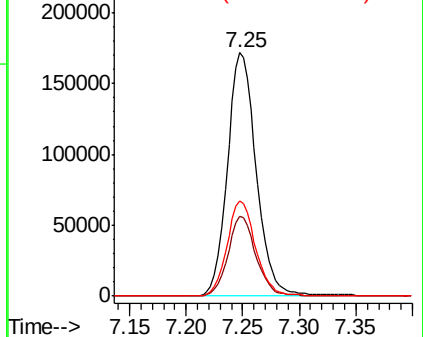
39 39.0 31.2 46.8

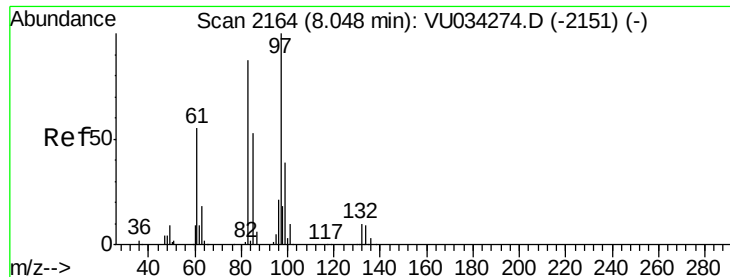


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





#55

1,1,2-Trichloroethane

Concen: 45.132 ug/l

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tgt Ion: 97 Resp: 204522

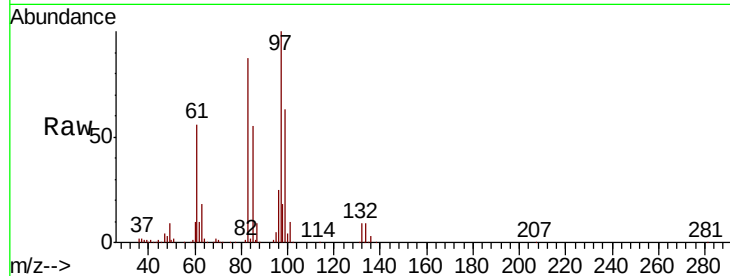
Ion Ratio Lower Upper

97 100

83 87.8 69.0 103.6

85 55.5 44.2 66.2

99 63.1 49.4 74.0

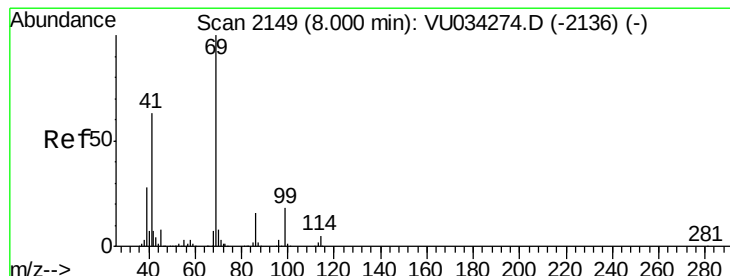
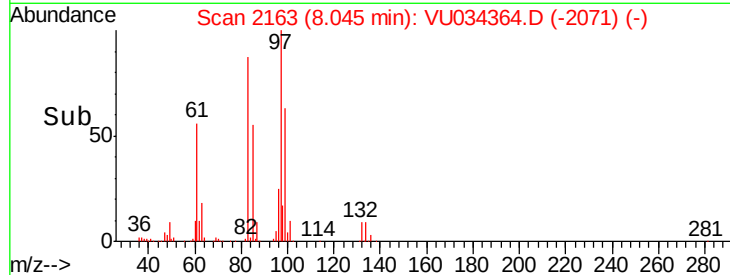
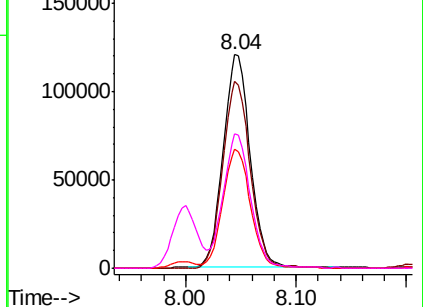


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 45.948 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

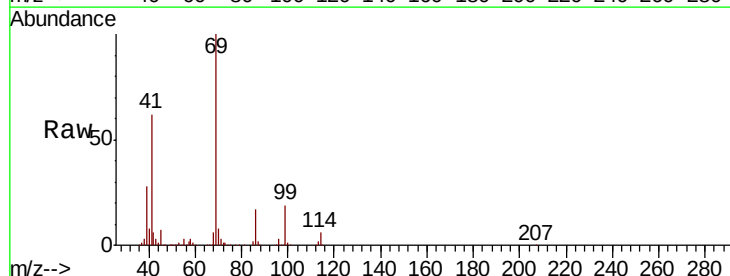
Tgt Ion: 69 Resp: 314512

Ion Ratio Lower Upper

69 100

41 60.2 49.5 74.3

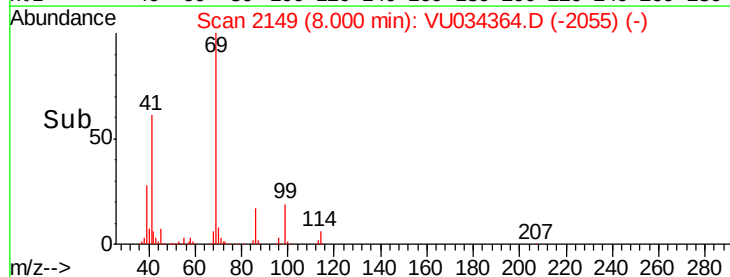
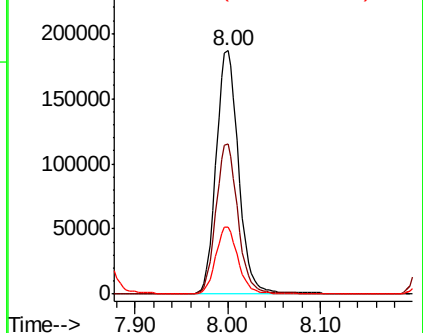
39 26.8 22.5 33.7

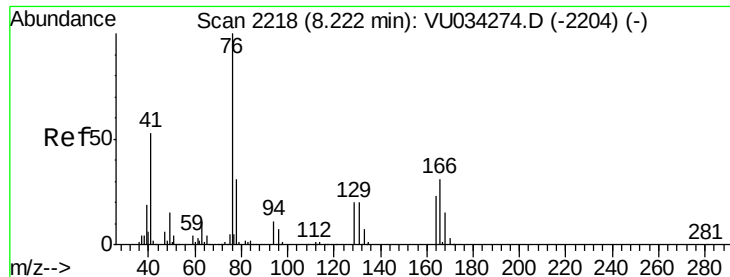


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

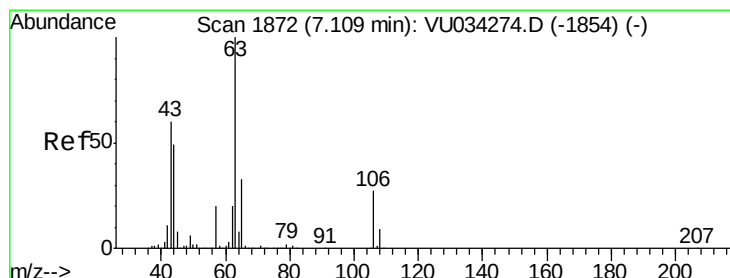
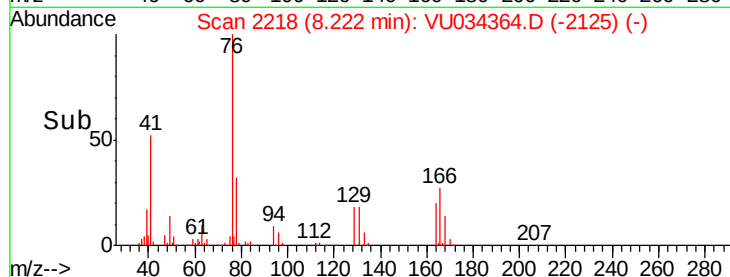
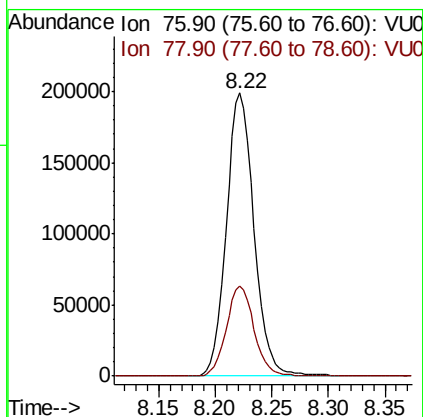
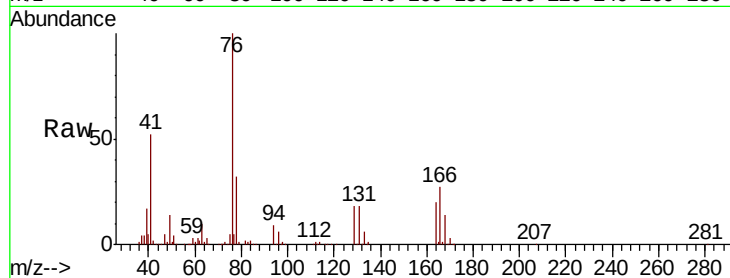




#57
 1,3-Dichloropropane
 Concen: 45.806 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

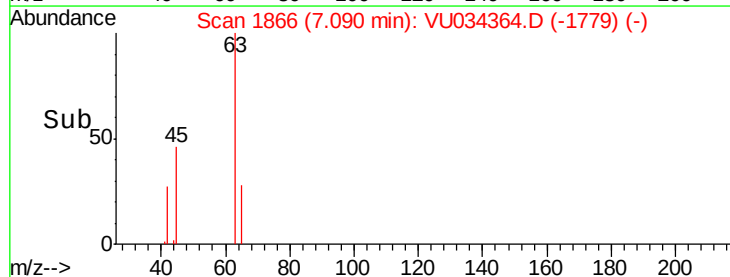
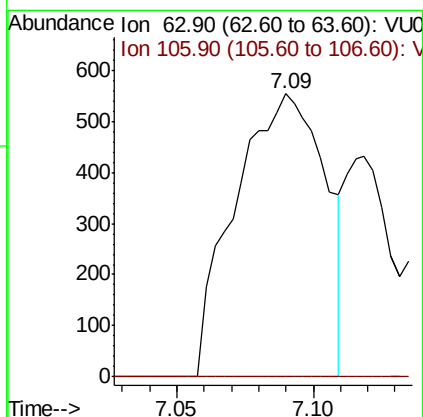
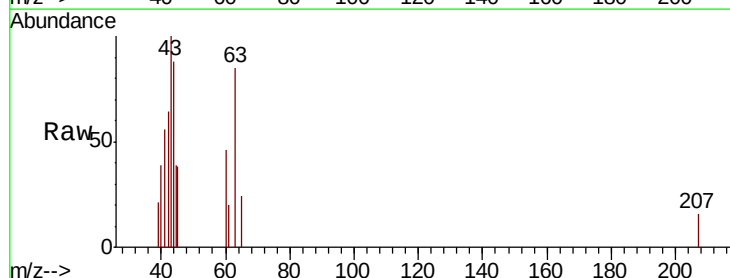
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

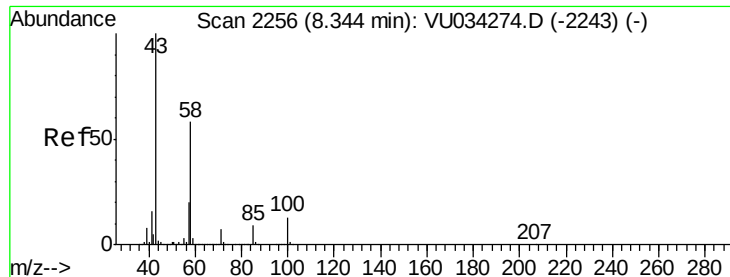
Tgt Ion: 76 Resp: 338005
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 17.124 ug/l
 RT: 7.09 min Scan# 1866
 Delta R.T. -0.02 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 63 Resp: 1268
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.6 32.4#

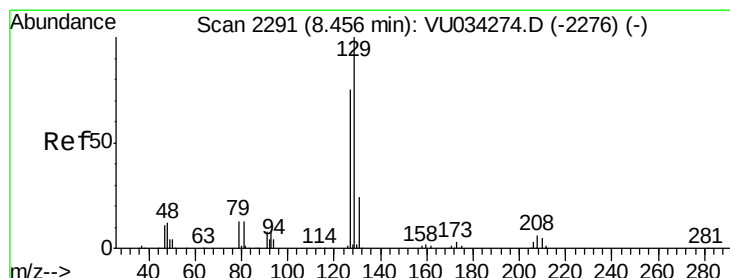
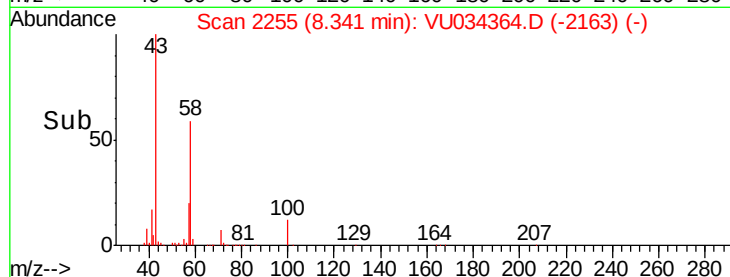
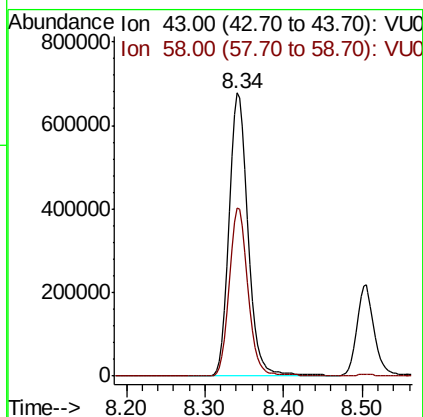
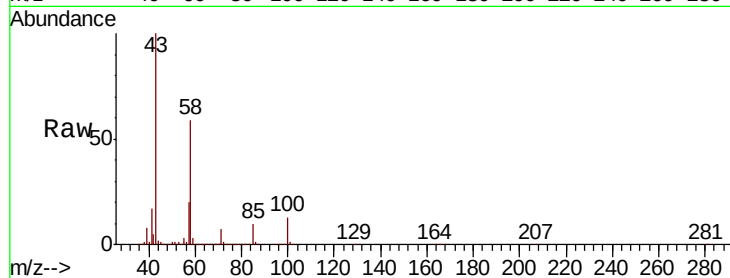




#59
 2-Hexanone
 Concen: 238.906 ug/l
 RT: 8.34 min Scan# 2255
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

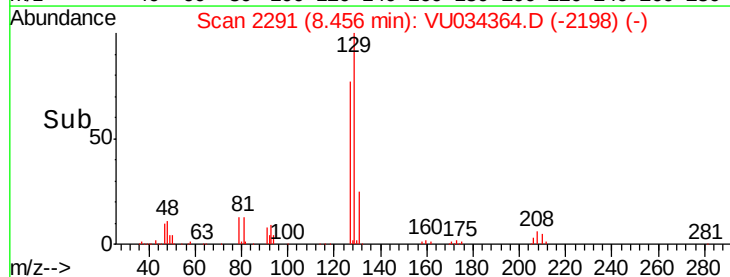
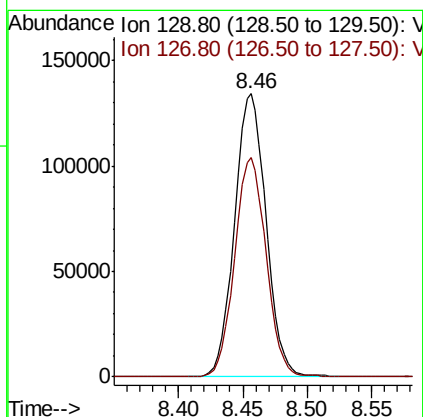
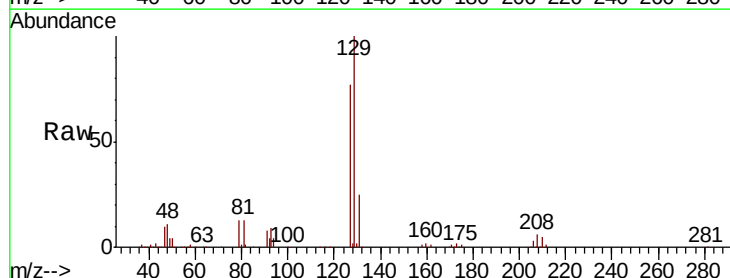
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

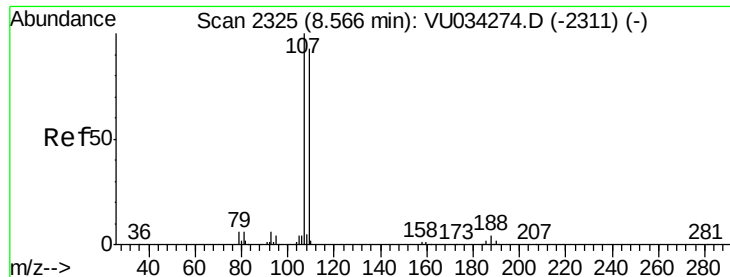
Tgt Ion: 43 Resp: 1123433
 Ion Ratio Lower Upper
 43 100
 58 59.1 28.8 86.5



#60
 Dibromochloromethane
 Concen: 47.011 ug/l
 RT: 8.46 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 129 Resp: 228500
 Ion Ratio Lower Upper
 129 100
 127 77.6 37.9 113.7

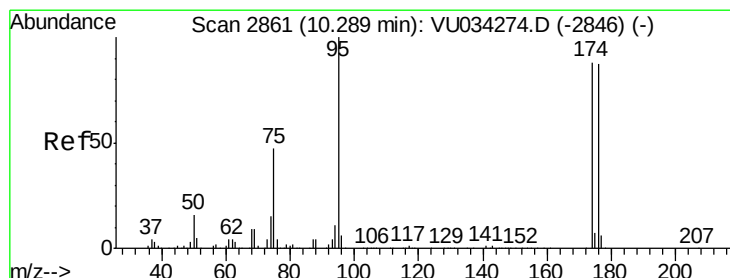
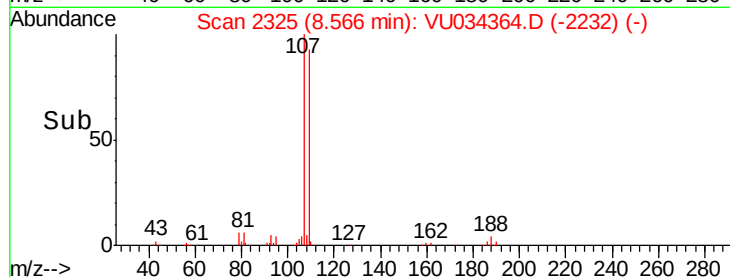
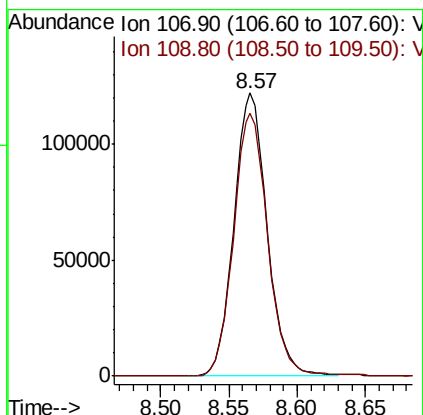
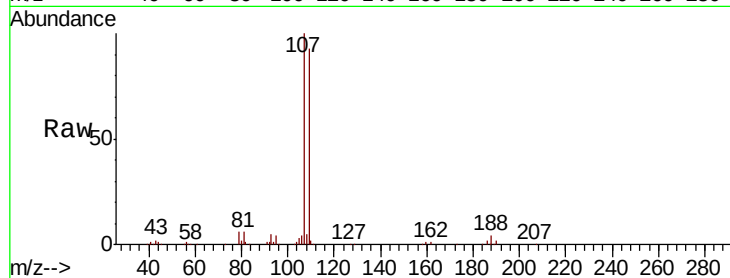




#61
 1,2-Dibromoethane
 Concen: 46.536 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

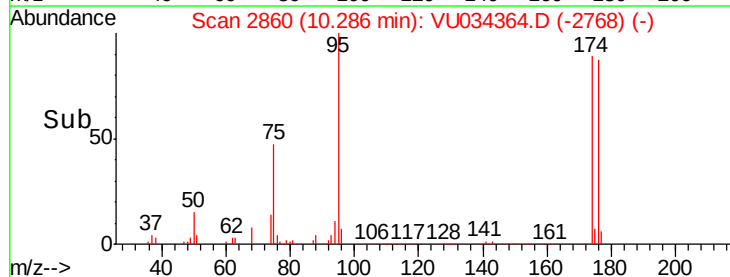
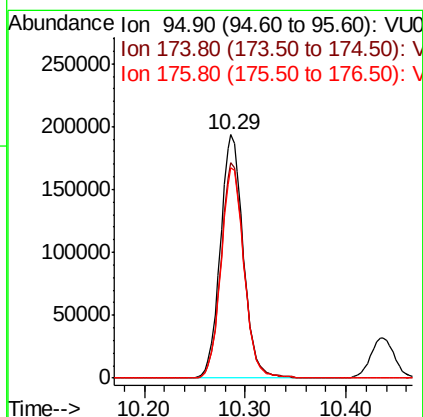
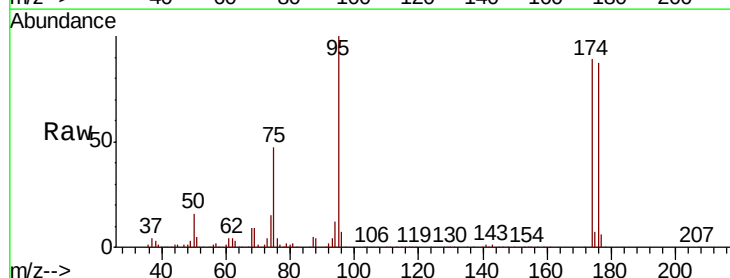
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

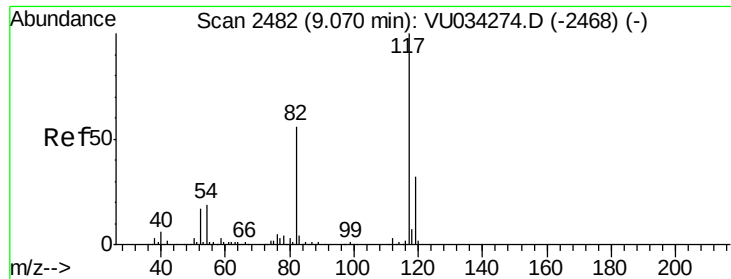
Tgt Ion: 107 Resp: 206408
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 50.176 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 95 Resp: 307892
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 175.2
 176 86.9 0.0 168.0

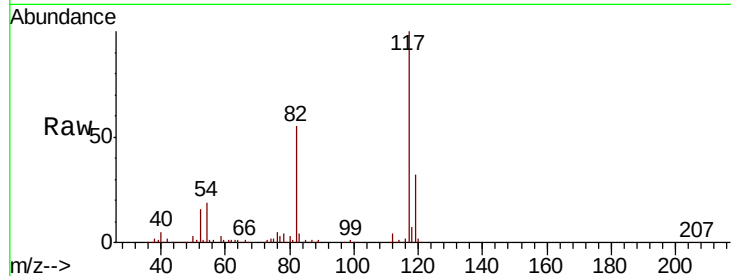




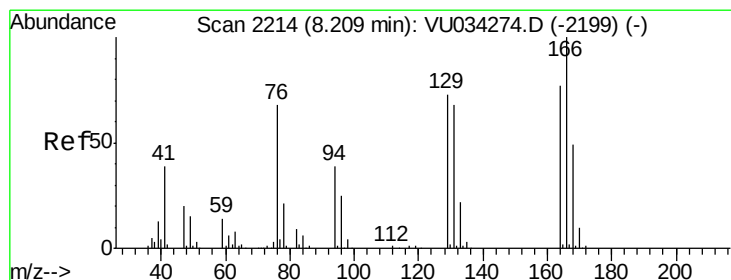
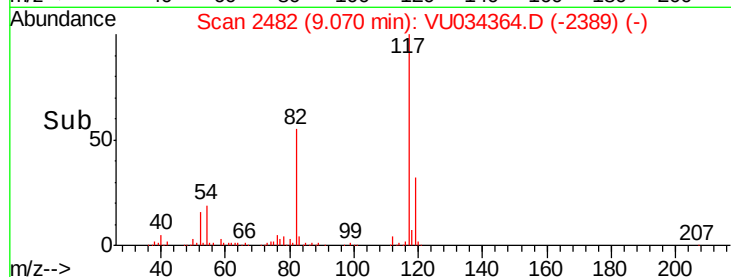
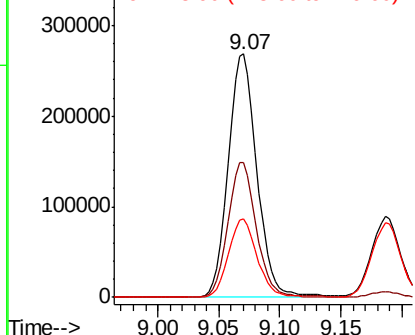
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampled :
S13-0263MS

Tgt Ion:117 Resp: 443703
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 32.1 25.9 38.9

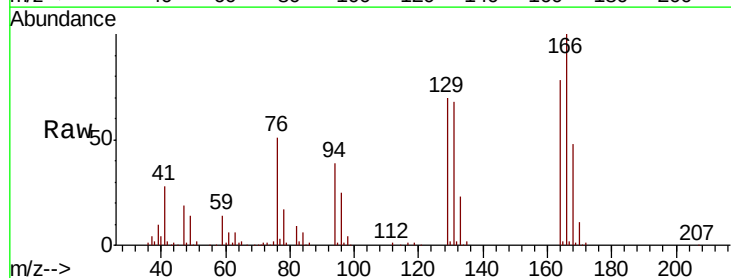


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU034364.D (-2389) (-)
Ion 118.90 (118.60 to 119.60): V

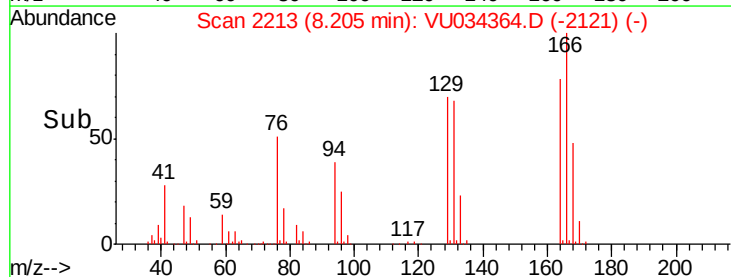
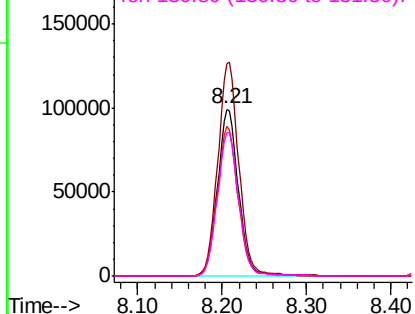


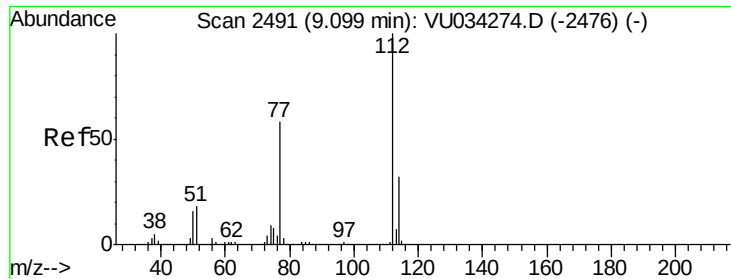
#64
Tetrachloroethene
Concen: 44.498 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion:164 Resp: 171289
Ion Ratio Lower Upper
164 100
166 127.8 103.7 155.5
129 89.8 75.8 113.8
131 86.4 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

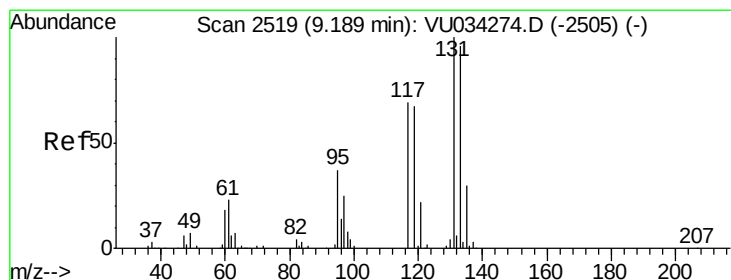
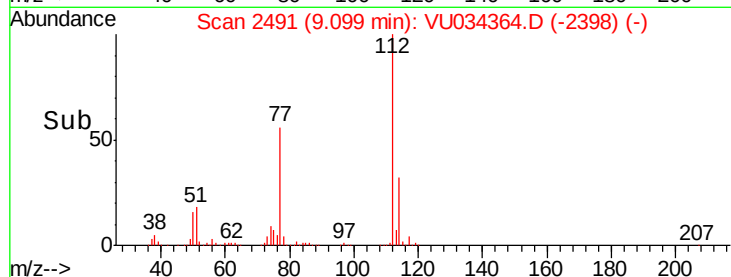
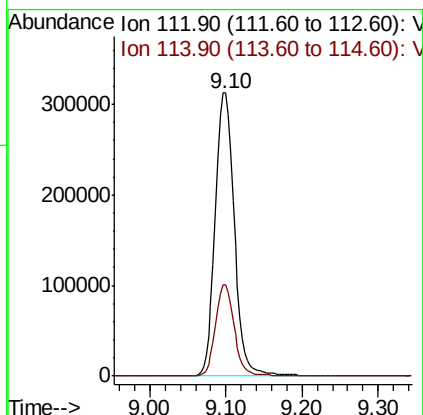
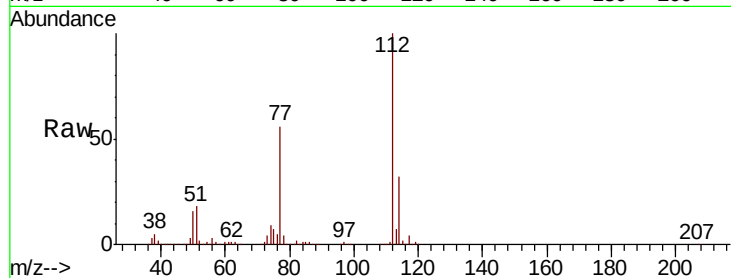




#65
Chlorobenzene
Concen: 48.516 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

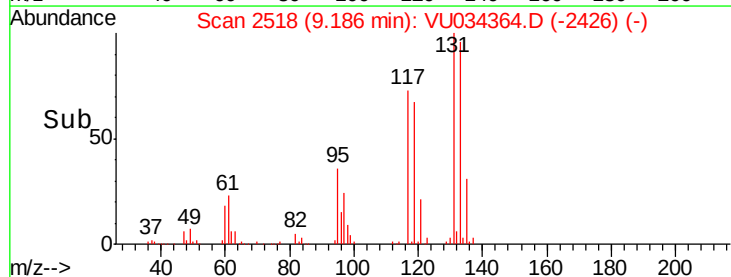
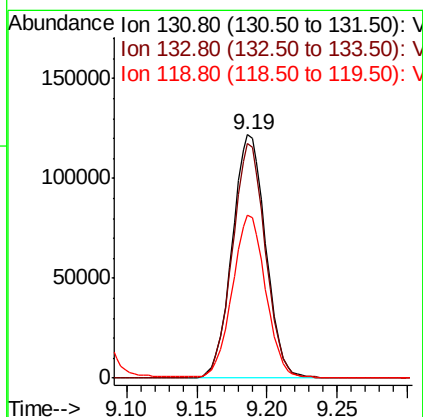
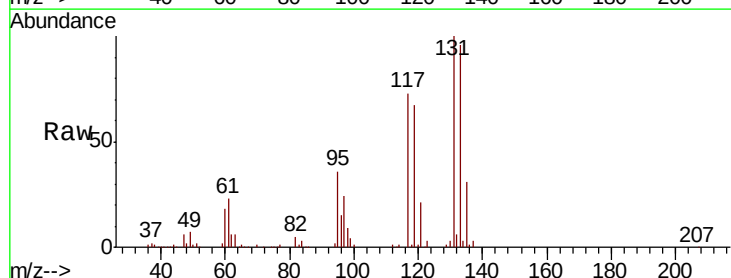
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

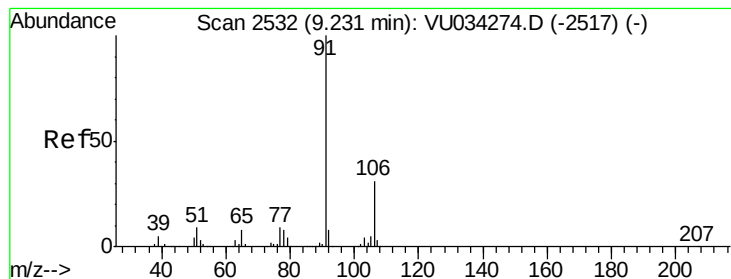
Tgt Ion:112 Resp: 546136
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.260 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion:131 Resp: 203029
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.7
119 66.5 33.1 99.5





#67

Ethyl Benzene

Concen: 49.541 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

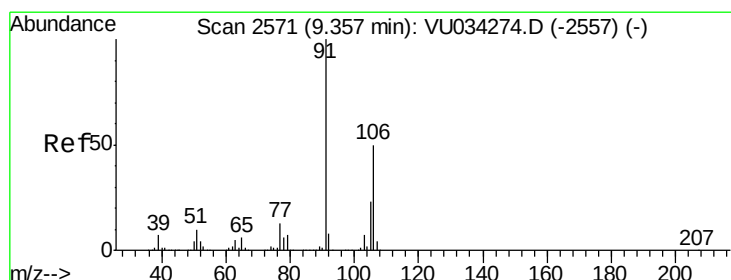
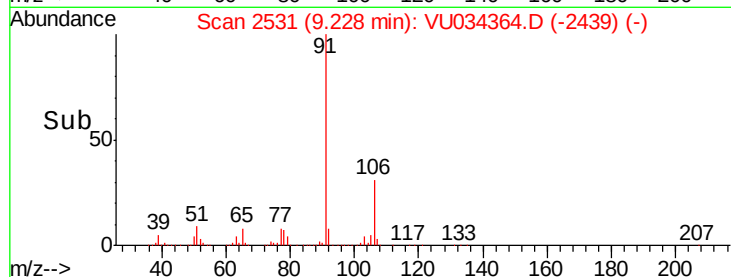
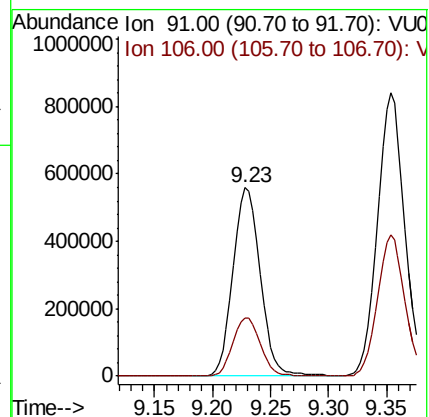
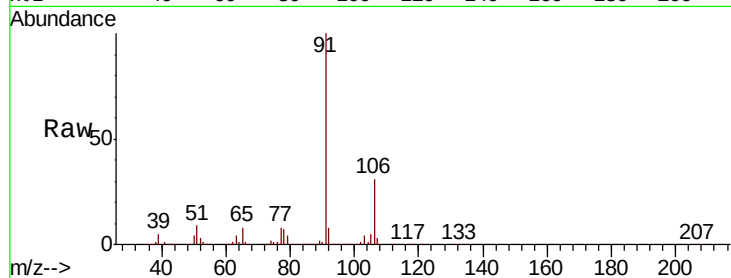
S13-0263MS

Tgt Ion: 91 Resp: 911849

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2



#68

m/p-Xylenes

Concen: 100.708 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034364.D

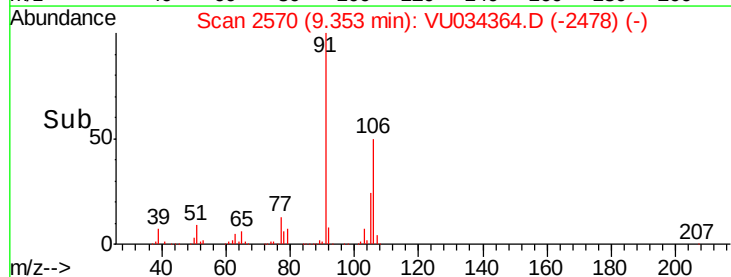
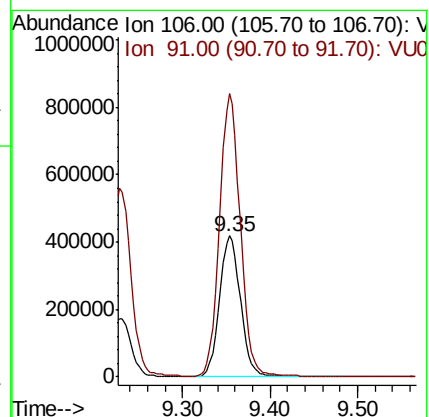
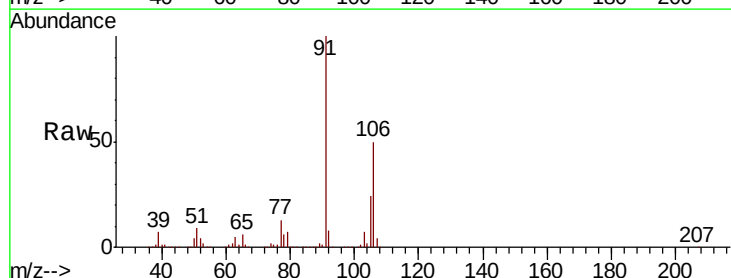
Acq: 07 Sep 2019 04:55

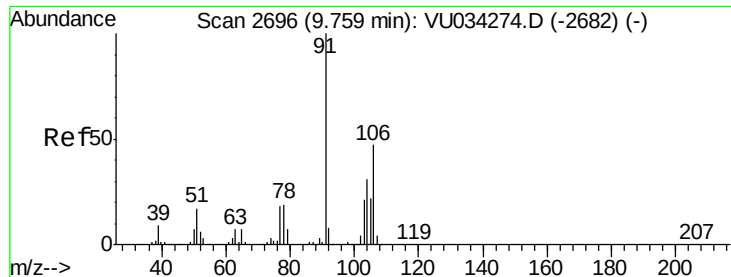
Tgt Ion: 106 Resp: 697994

Ion Ratio Lower Upper

106 100

91 199.1 160.1 240.1

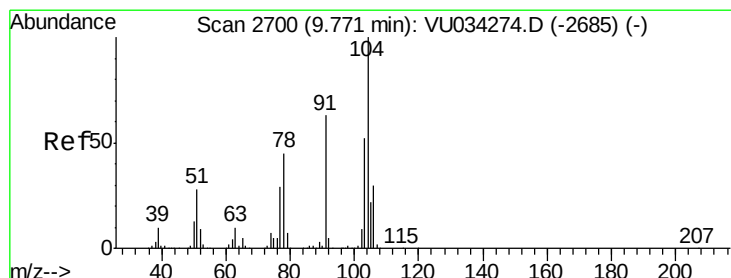
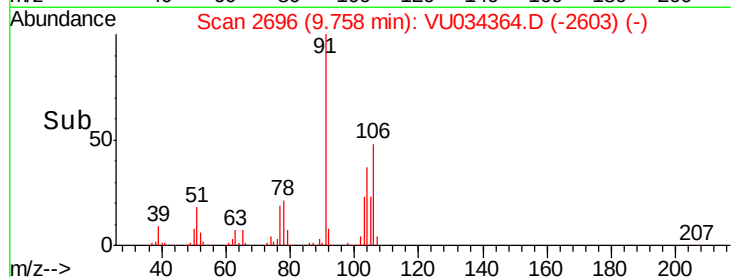
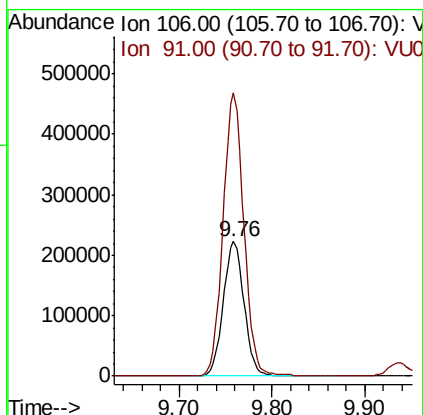
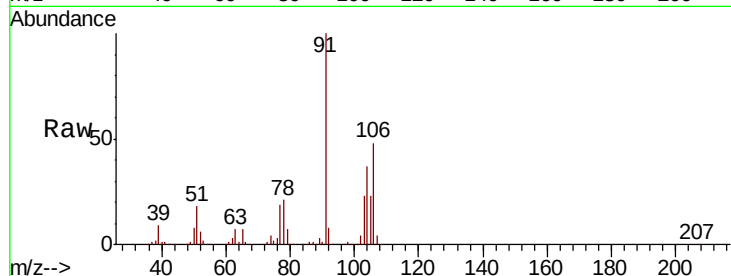




#69
o-Xylene
Concen: 51.245 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

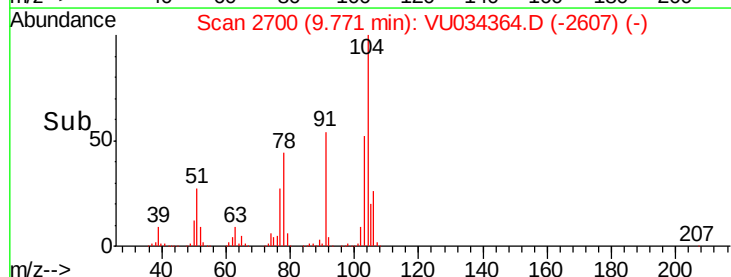
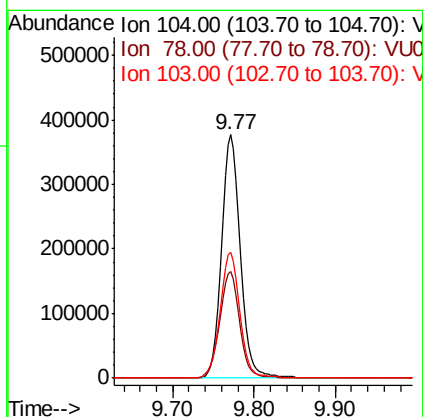
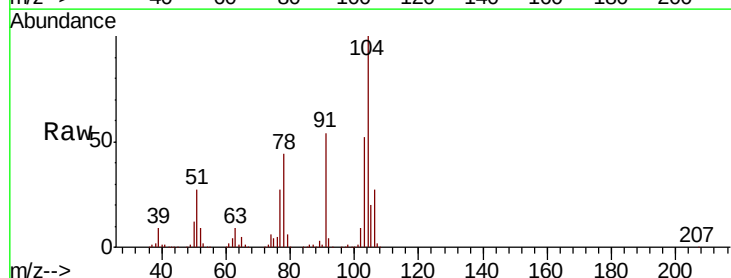
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

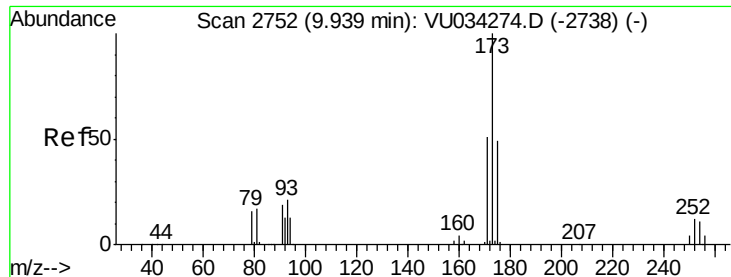
Tgt Ion:106 Resp: 347347
Ion Ratio Lower Upper
106 100
91 209.1 105.1 315.3



#70
Styrene
Concen: 51.940 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion:104 Resp: 617244
Ion Ratio Lower Upper
104 100
78 46.7 38.6 57.8
103 54.5 44.2 66.4





#71

Bromoform

Concen: 48.981 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

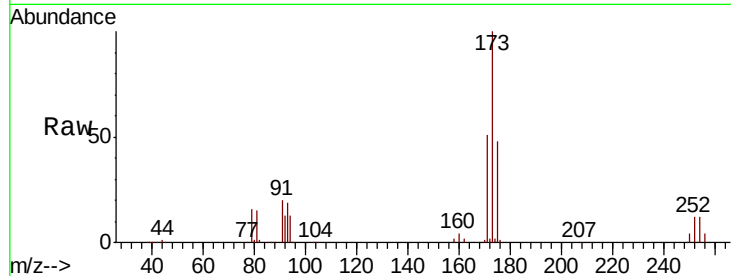
Tgt Ion:173 Resp: 182367

Ion Ratio Lower Upper

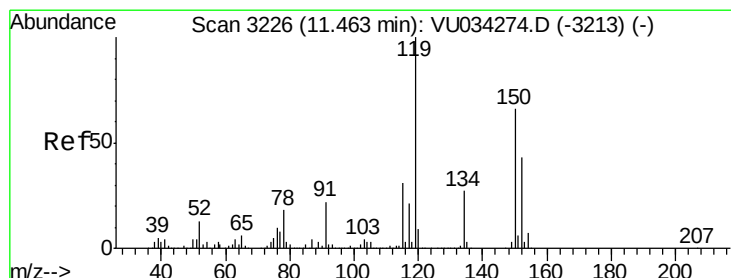
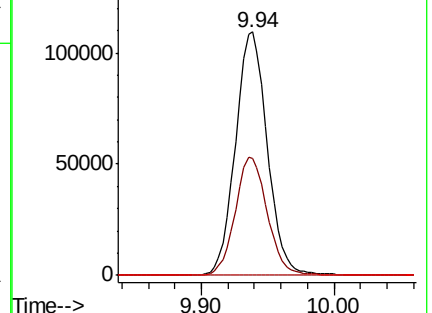
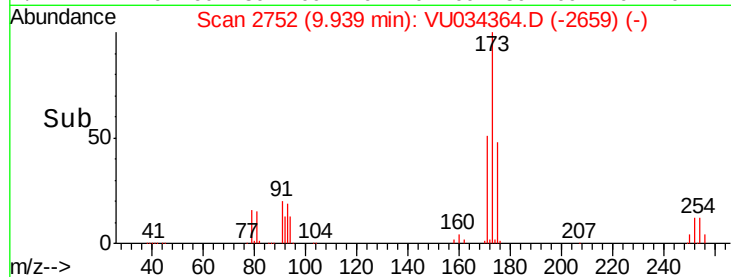
173 100

175 48.9 24.4 73.2

254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

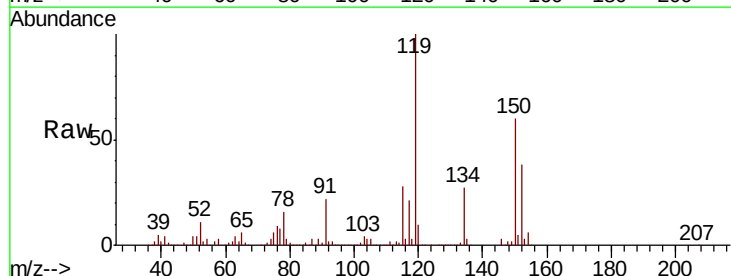
Tgt Ion:152 Resp: 292628

Ion Ratio Lower Upper

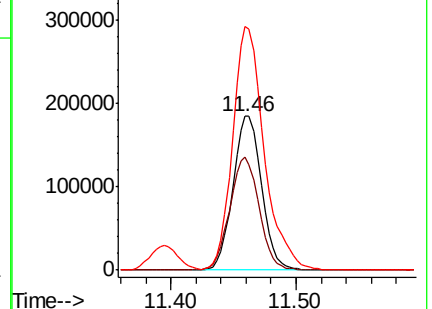
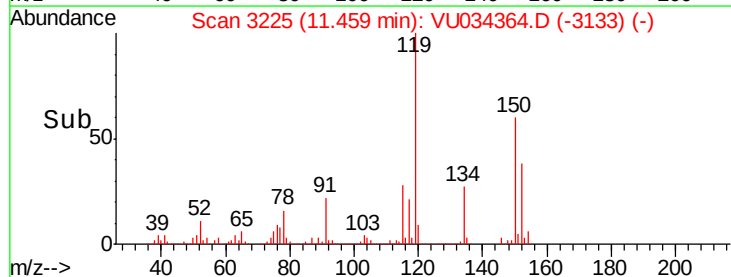
152 100

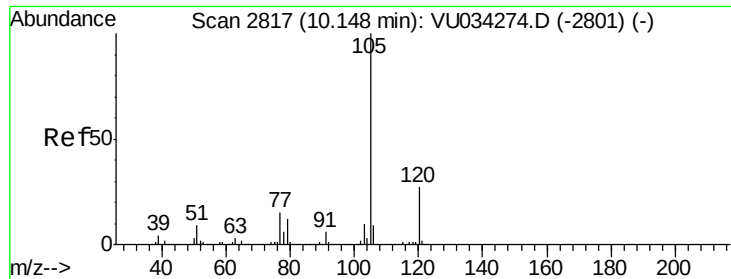
115 75.2 39.1 117.3

150 173.4 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.338 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

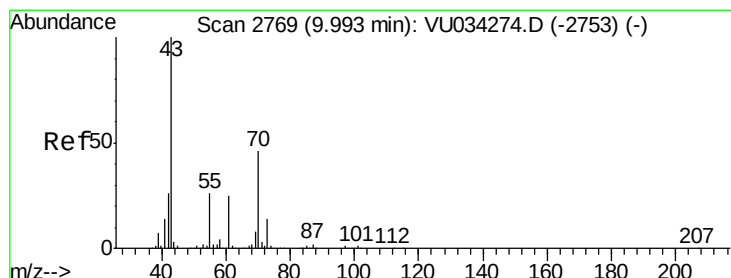
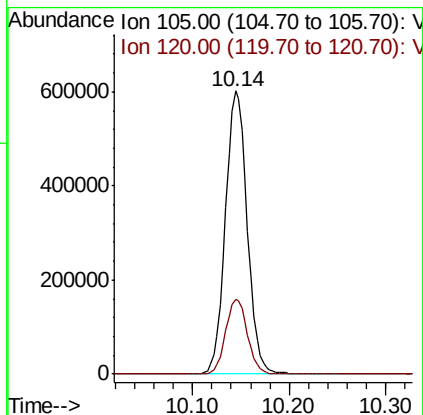
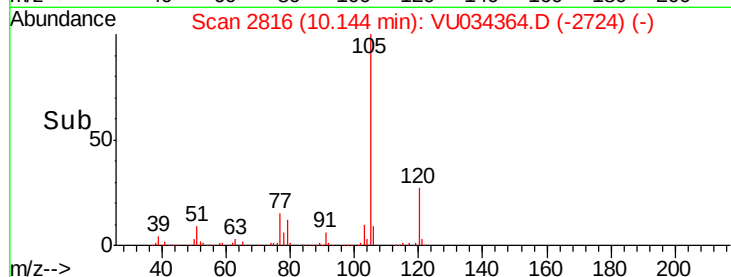
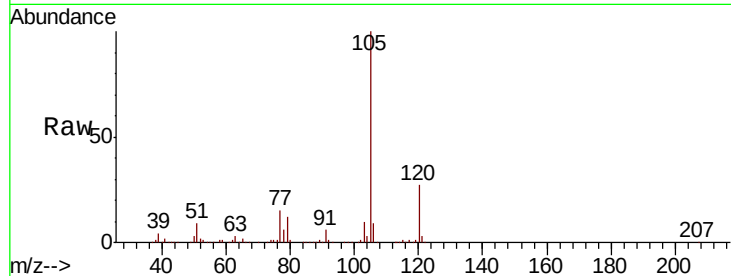
S13-0263MS

Tgt Ion: 105 Resp: 939570

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 45.054 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion: 43 Resp: 345361

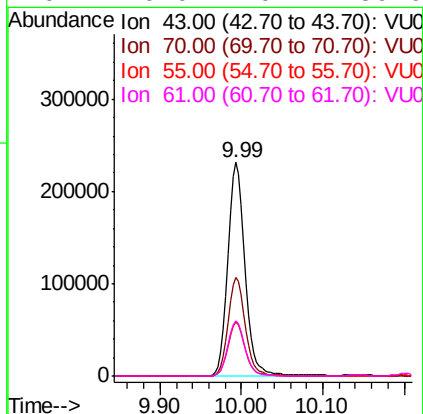
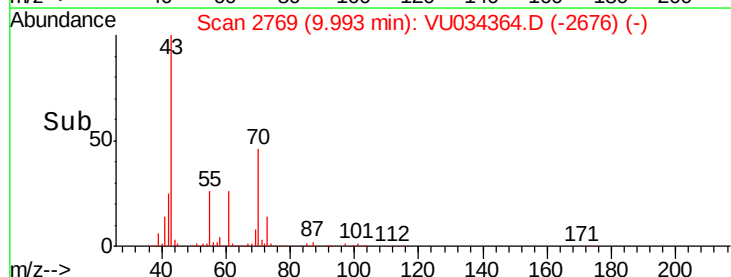
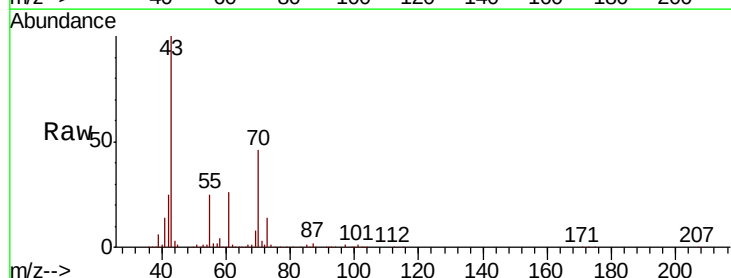
Ion Ratio Lower Upper

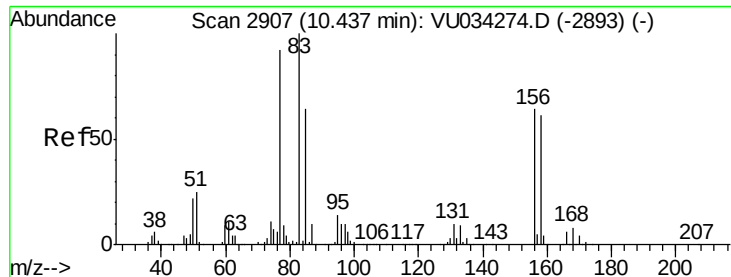
43 100

70 46.2 36.4 54.6

55 25.4 21.2 31.8

61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.356 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

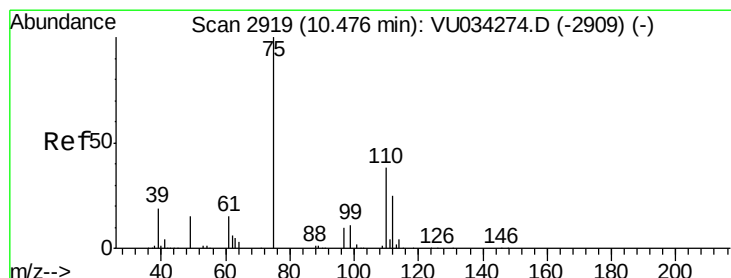
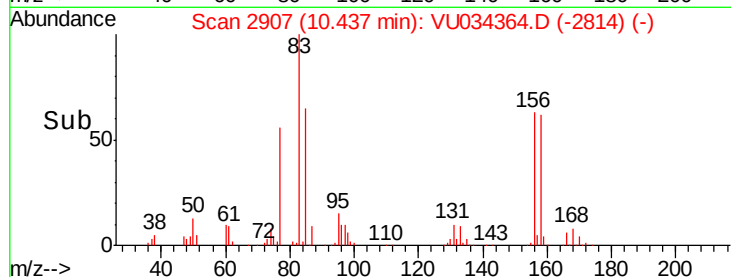
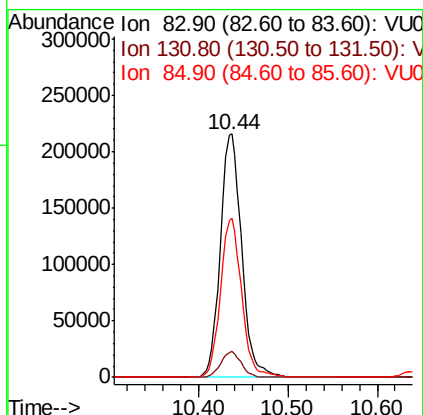
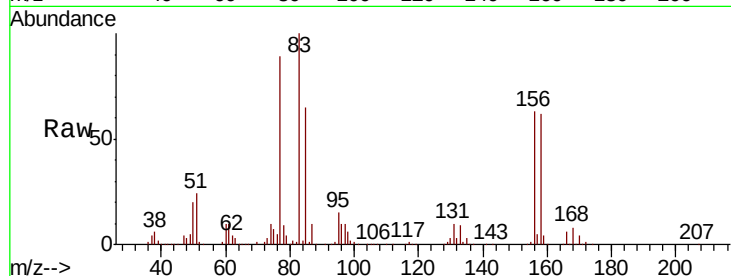
Tgt Ion: 83 Resp: 357327

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.2

85 64.8 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 59.309 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034364.D

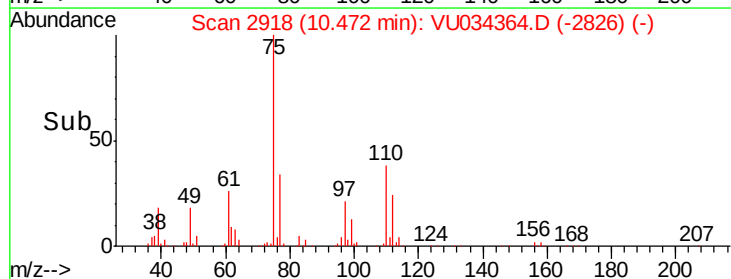
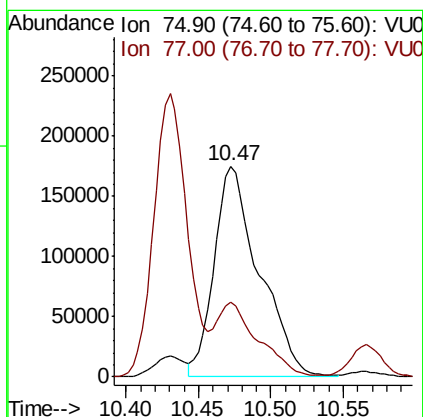
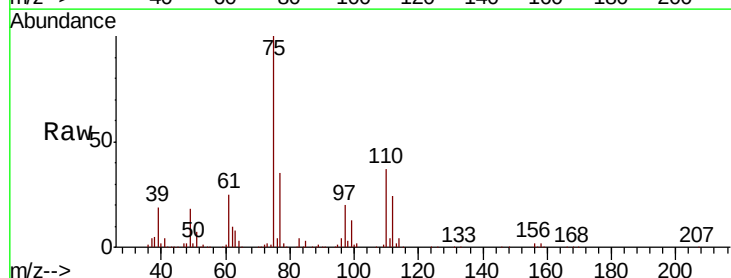
Acq: 07 Sep 2019 04:55

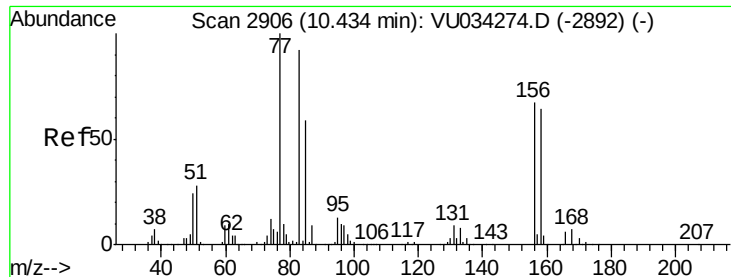
Tgt Ion: 75 Resp: 378837

Ion Ratio Lower Upper

75 100

77 31.2 20.8 62.2





#77

Bromobenzene

Concen: 49.034 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

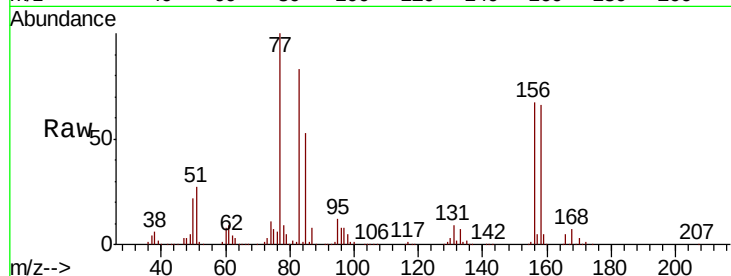
Tgt Ion:156 Resp: 261094

Ion Ratio Lower Upper

156 100

77 145.4 75.6 226.9

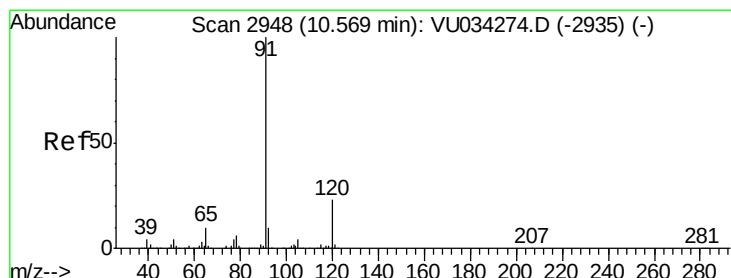
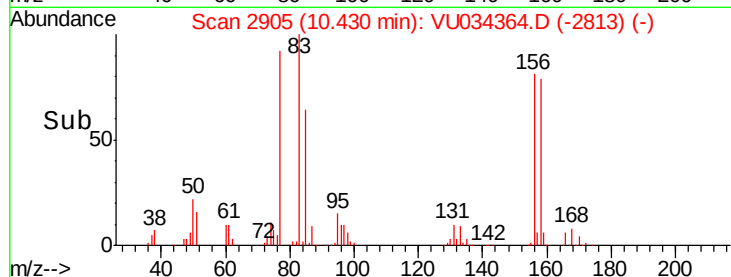
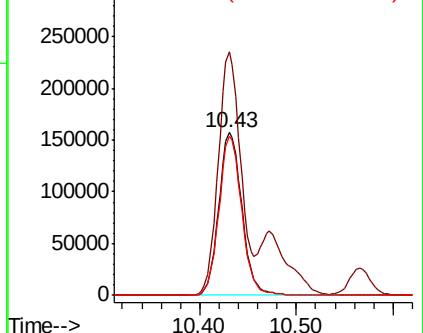
158 96.5 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.585 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034364.D

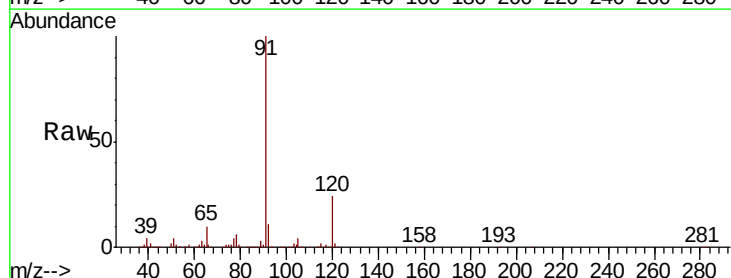
Acq: 07 Sep 2019 04:55

Tgt Ion: 91 Resp: 1068546

Ion Ratio Lower Upper

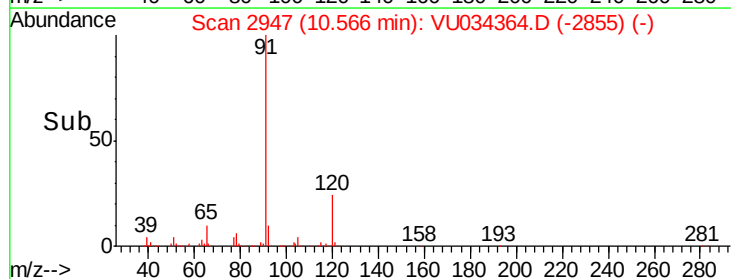
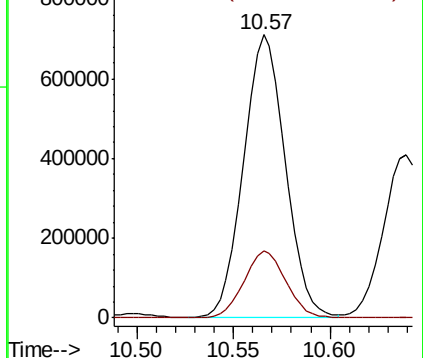
91 100

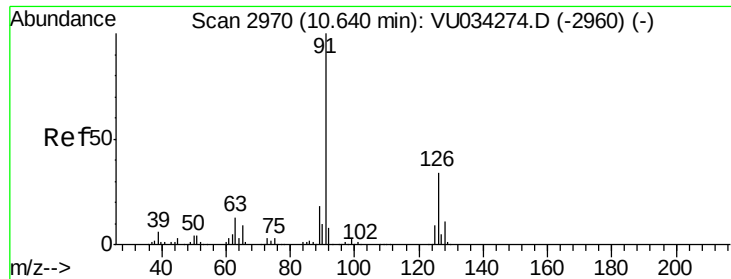
120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

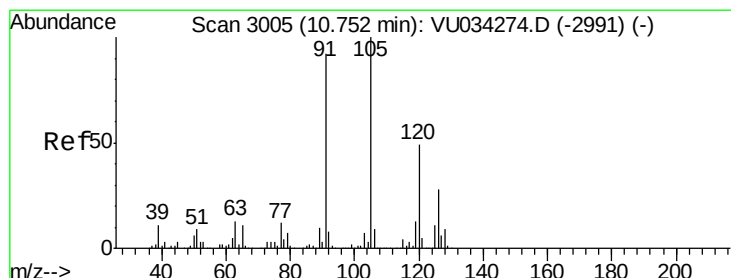
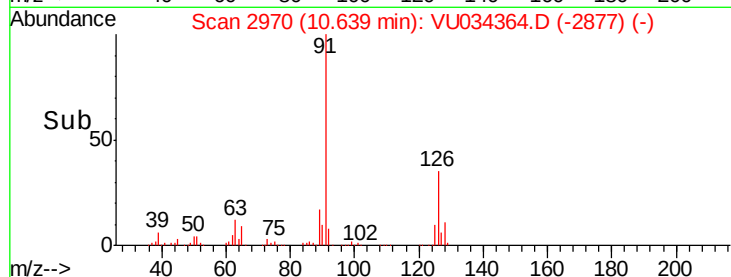
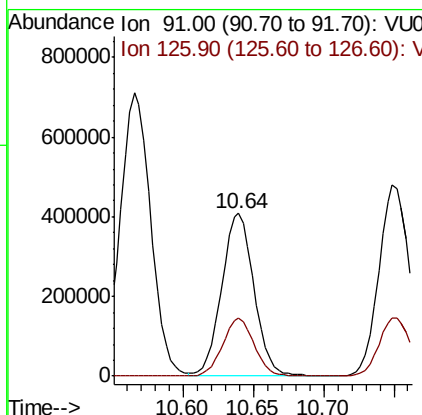
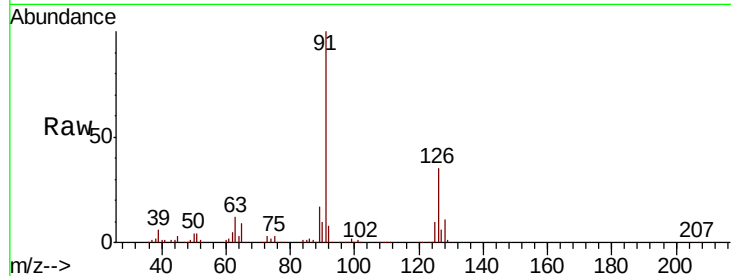




#79
 2-Chlorotoluene
 Concen: 48.514 ug/l
 RT: 10.64 min Scan# 2970
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

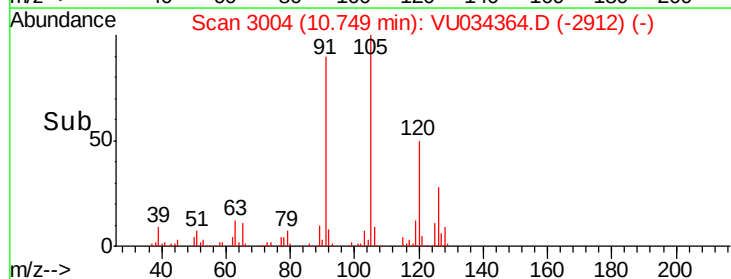
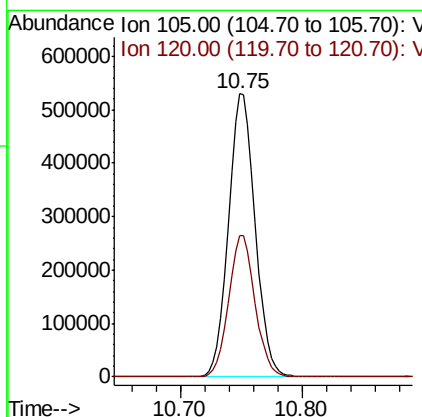
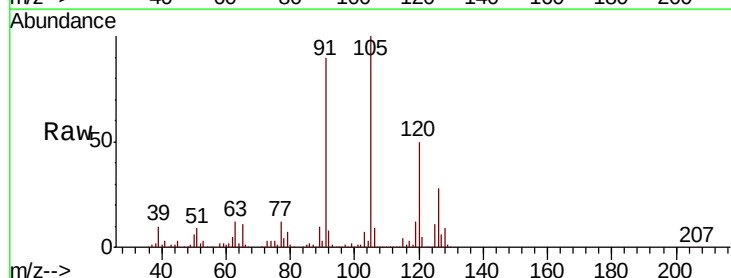
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

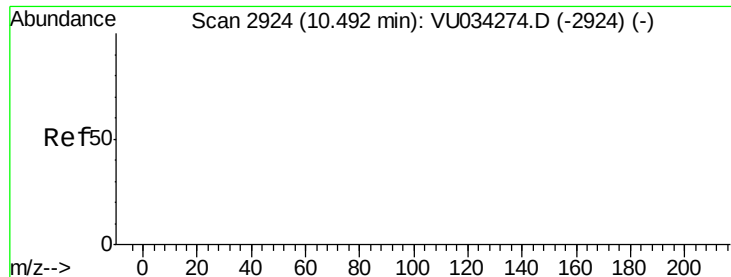
Tgt Ion: 91 Resp: 651036
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 51.9



#80
 1,3,5-Trimethylbenzene
 Concen: 50.926 ug/l
 RT: 10.75 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 105 Resp: 811091
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 199.451 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.02 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

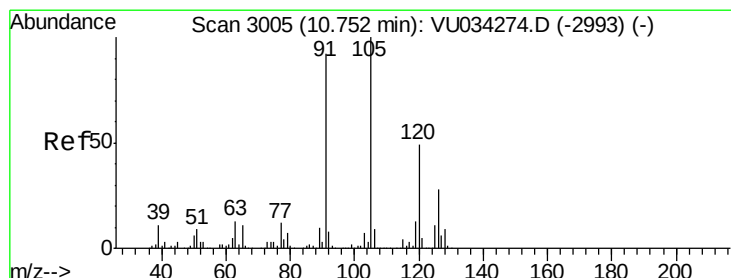
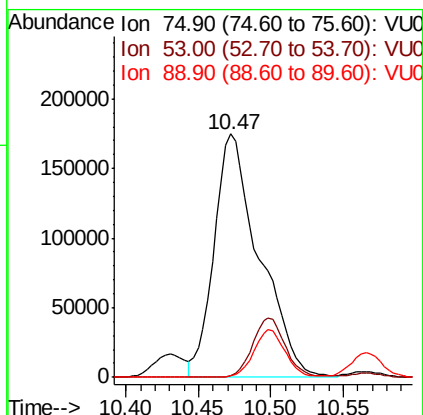
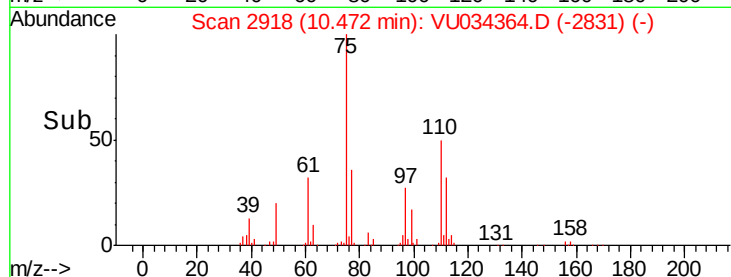
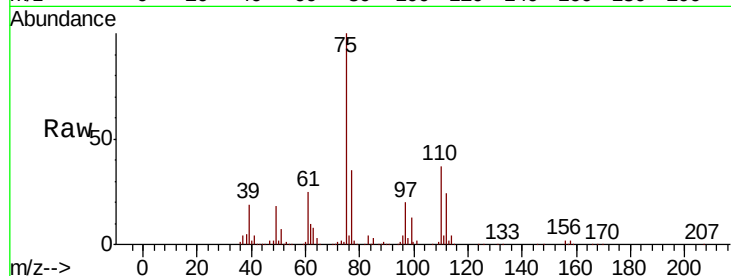
Tgt Ion: 75 Resp: 378837

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 48.543 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034364.D

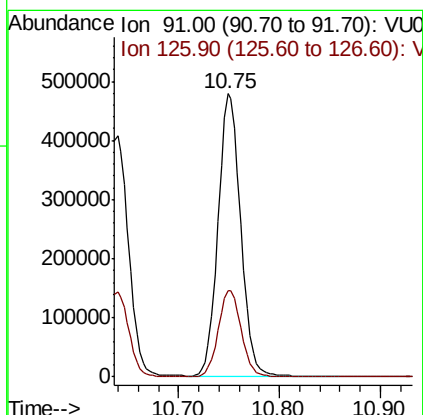
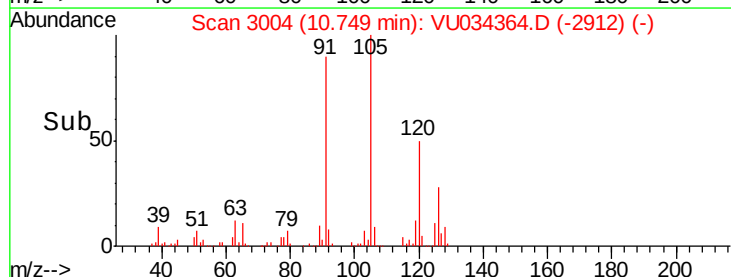
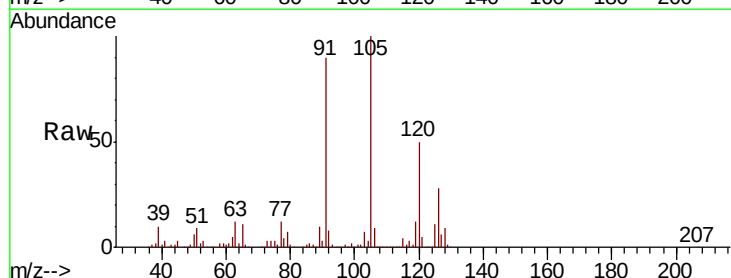
Acq: 07 Sep 2019 04:55

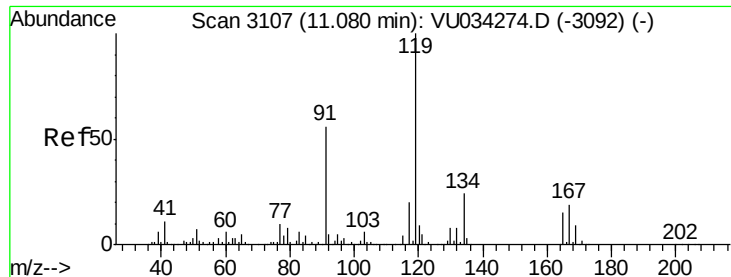
Tgt Ion: 91 Resp: 749651

Ion Ratio Lower Upper

91 100

126 31.1 15.3 45.8

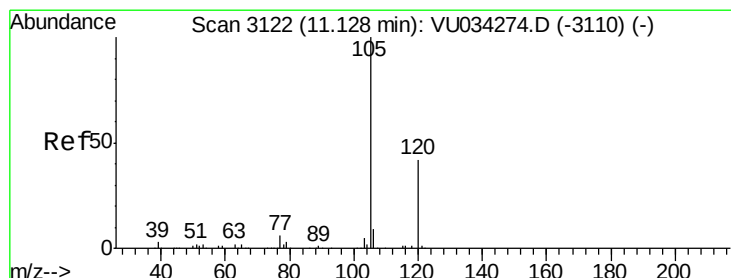
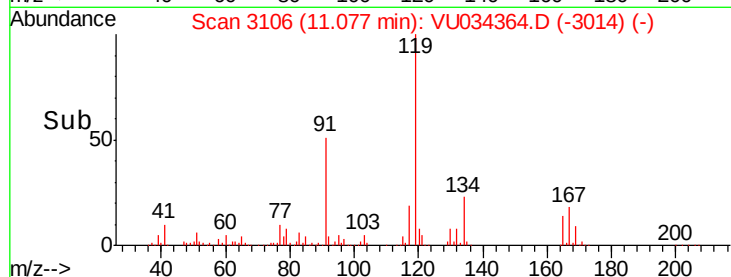
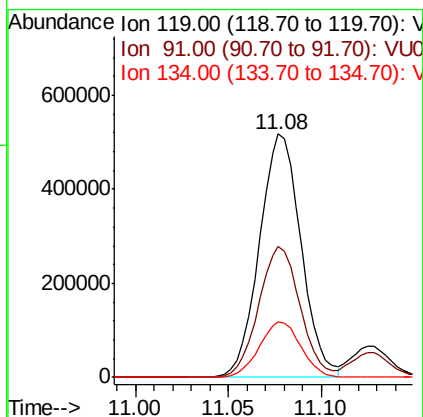
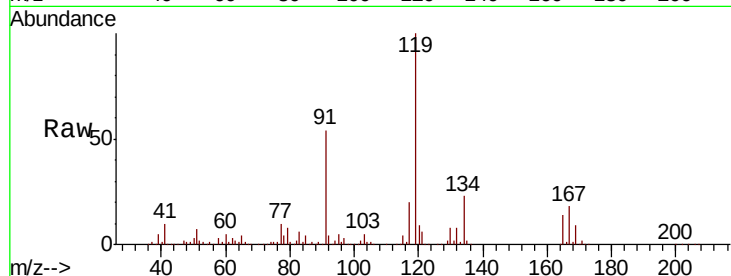




#83
 tert-Butylbenzene
 Concen: 50.797 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

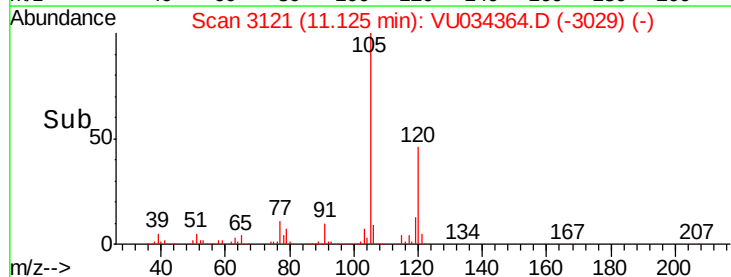
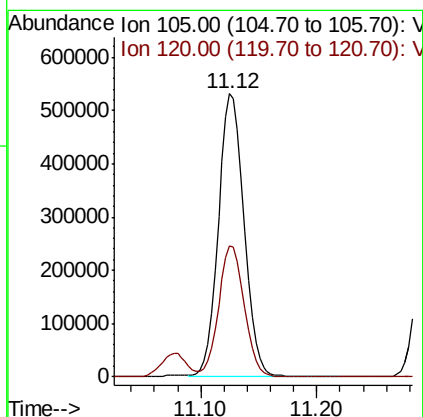
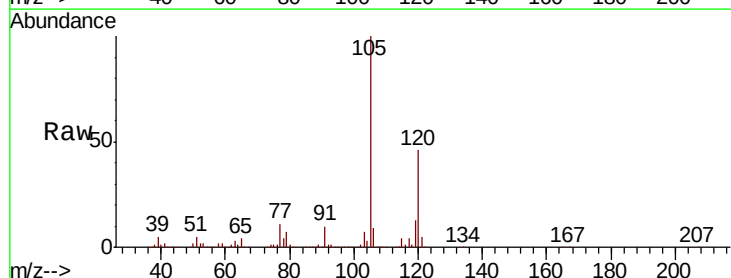
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

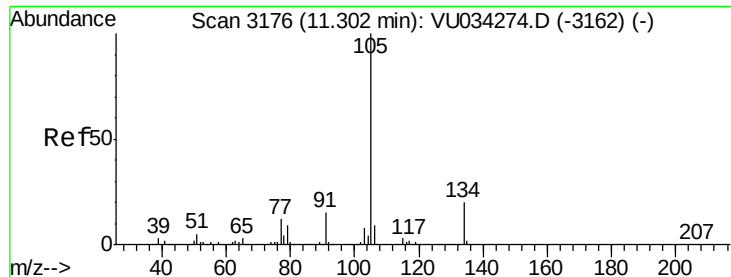
Tgt Ion:119 Resp: 809344
 Ion Ratio Lower Upper
 119 100
 91 53.2 27.8 83.4
 134 22.9 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.656 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion:105 Resp: 812134
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.8





#85

sec-Butylbenzene

Concen: 49.769 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

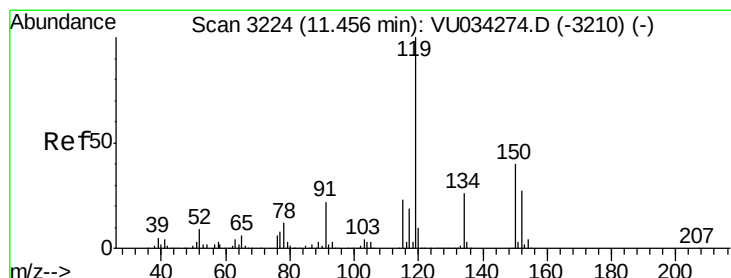
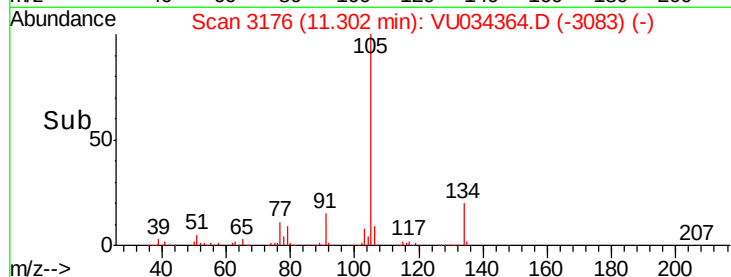
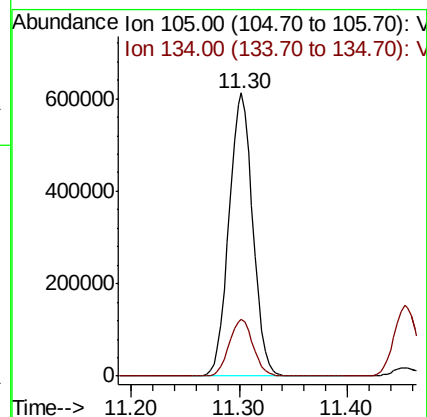
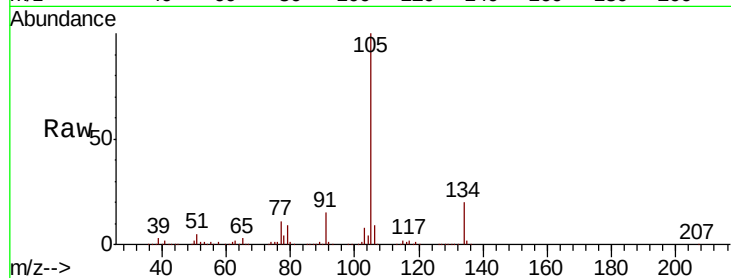
S13-0263MS

Tgt Ion:105 Resp: 936160

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.3



#86

p-Isopropyltoluene

Concen: 49.802 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

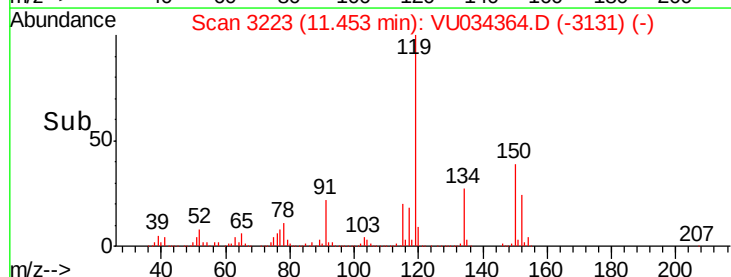
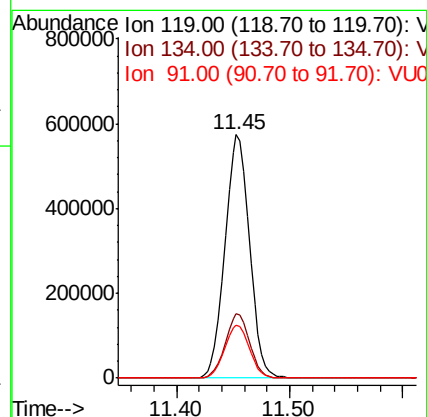
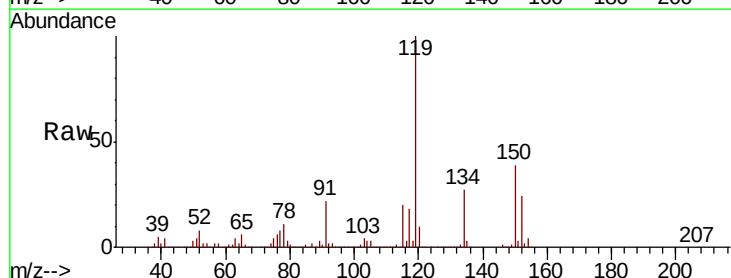
Tgt Ion:119 Resp: 864634

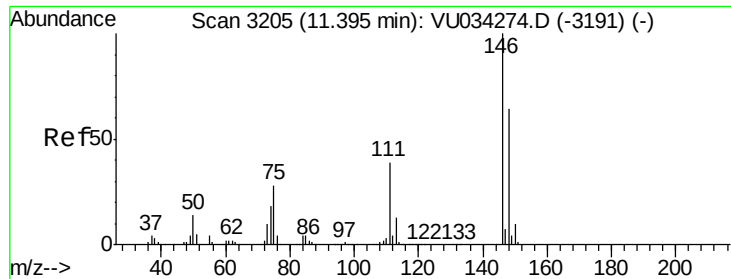
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 21.9 11.2 33.6

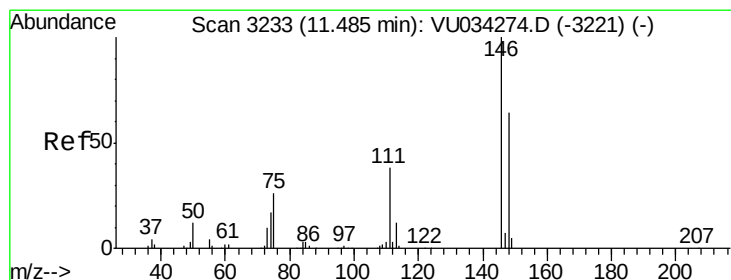
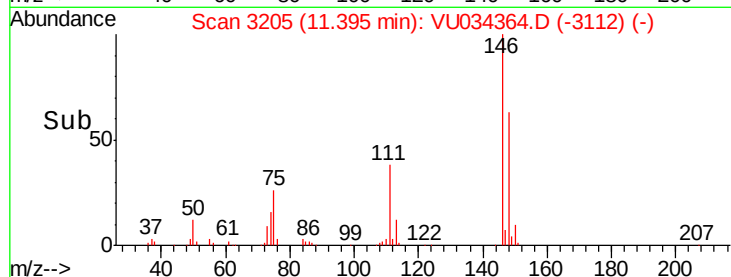
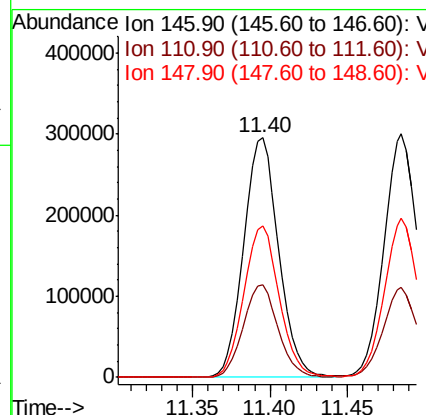
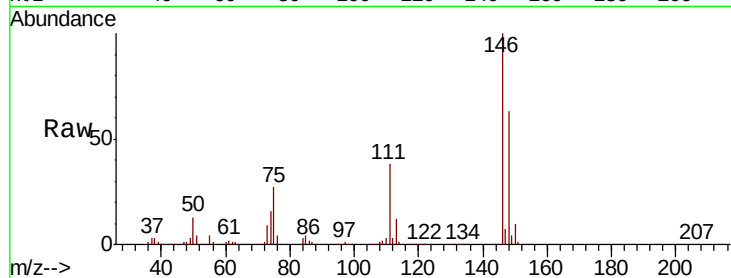




#87
 1,3-Dichlorobenzene
 Concen: 47.953 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

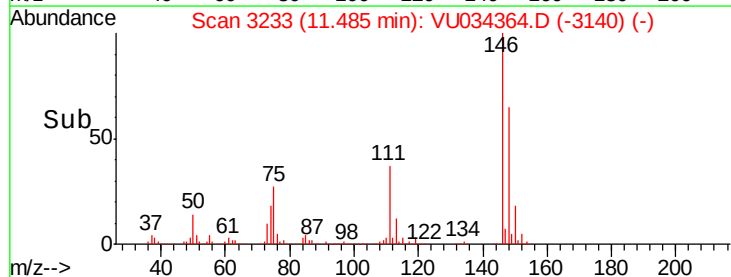
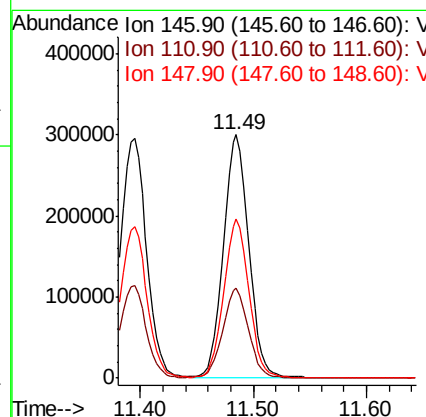
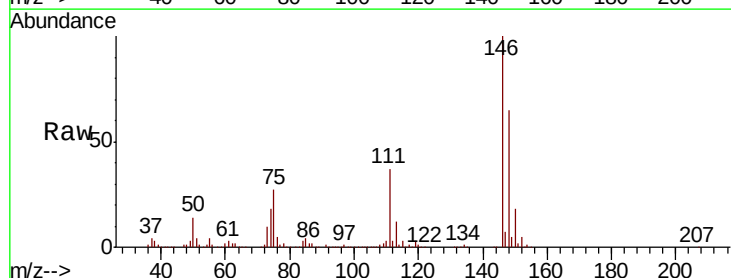
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

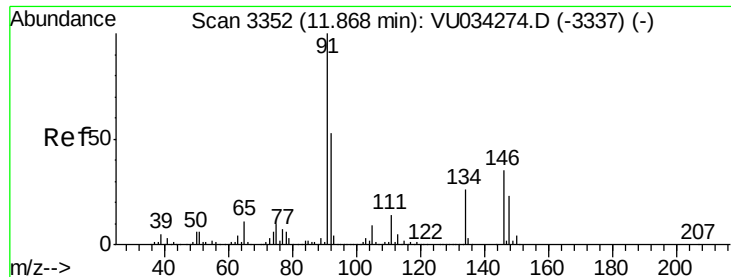
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.5	58.5
148	63.8	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 46.080 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.3
148	65.0	32.0	96.0





#89

n-Butylbenzene

Concen: 48.493 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

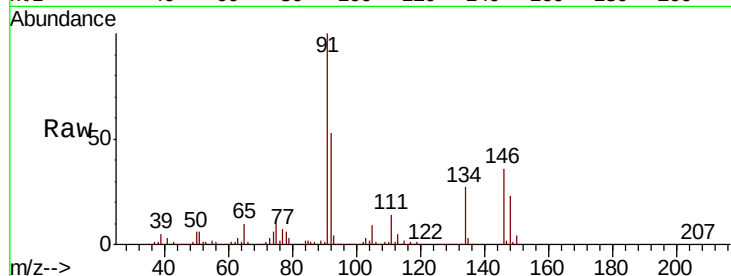
Tgt Ion: 91 Resp: 731627

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.4

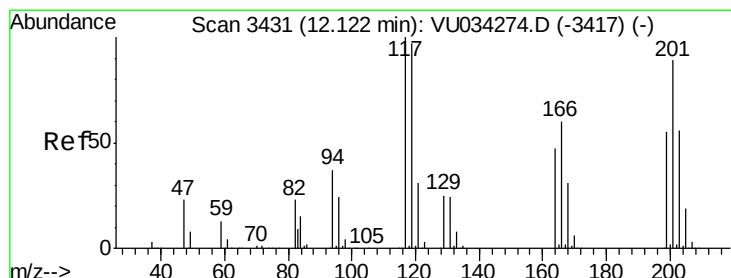
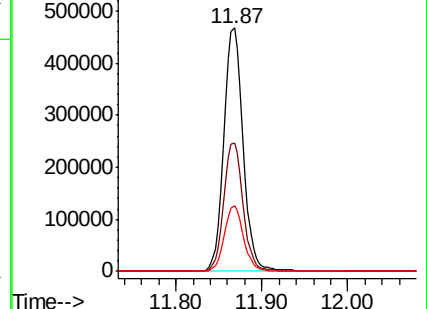
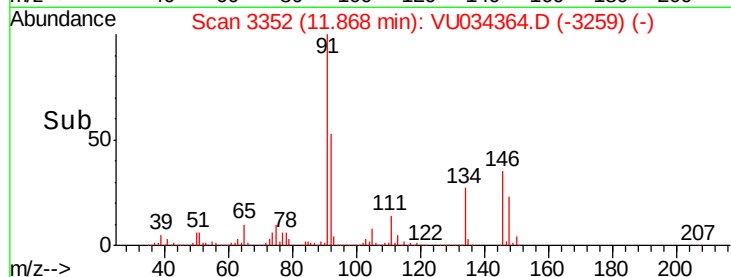
134 26.8 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU034364.D (-3259) (-)

Ion 92.00 (91.70 to 92.70): VU034364.D (-3259) (-)

Ion 134.00 (133.70 to 134.70): VU034364.D (-3259) (-)



#90

Hexachloroethane

Concen: 46.009 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. -0.00 min

Lab File: VU034364.D

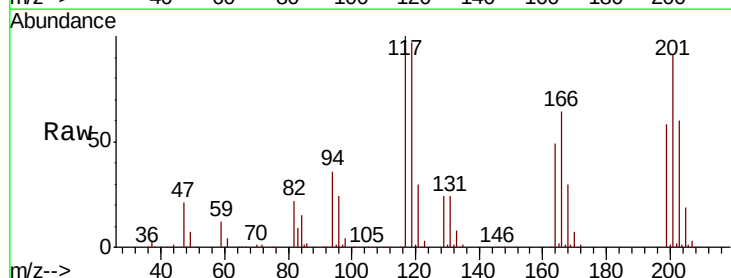
Acq: 07 Sep 2019 04:55

Tgt Ion: 117 Resp: 127796

Ion Ratio Lower Upper

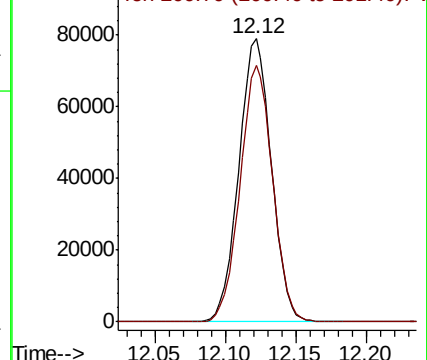
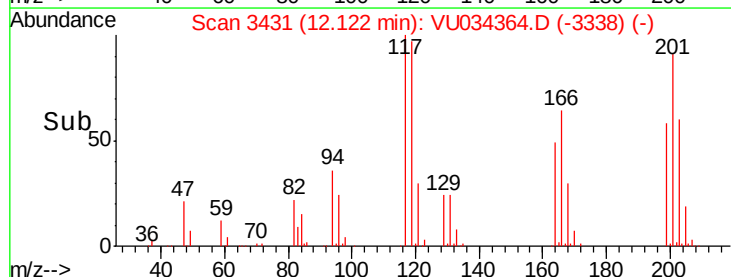
117 100

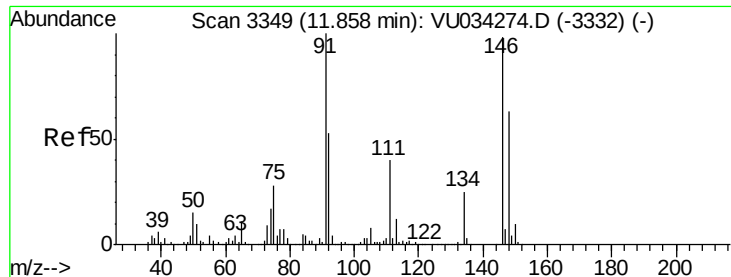
201 90.4 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): VU034364.D (-3338) (-)

Ion 200.70 (200.40 to 201.40): VU034364.D (-3338) (-)

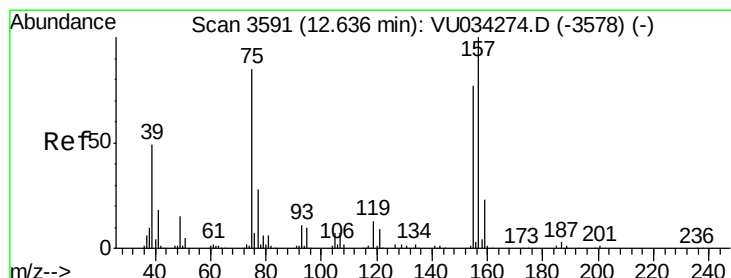
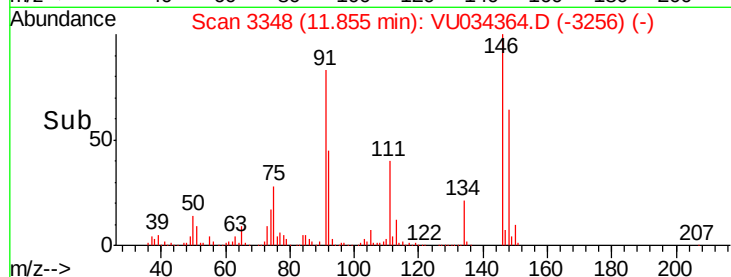
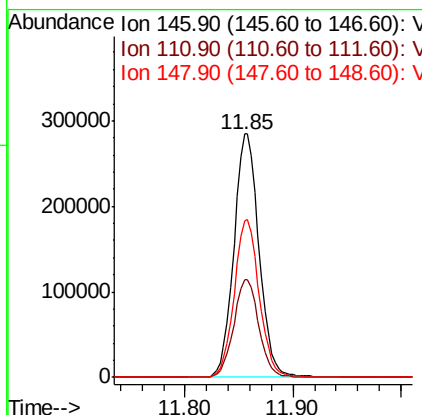
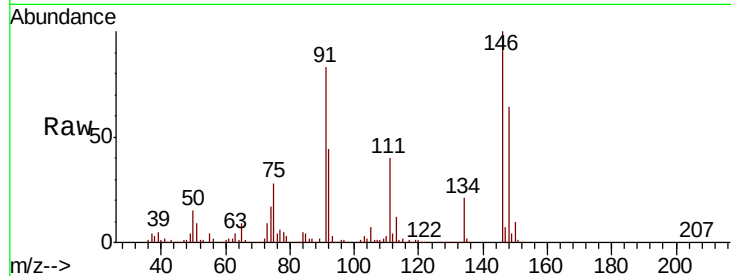




#91
 1,2-Dichlorobenzene
 Concen: 48.380 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

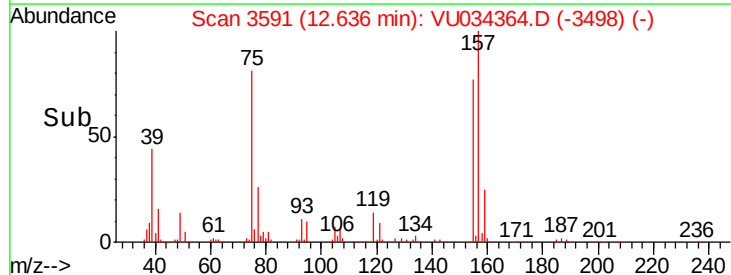
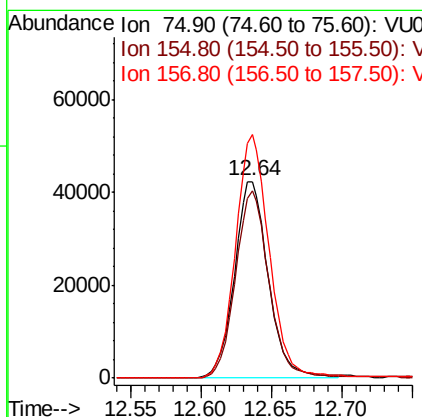
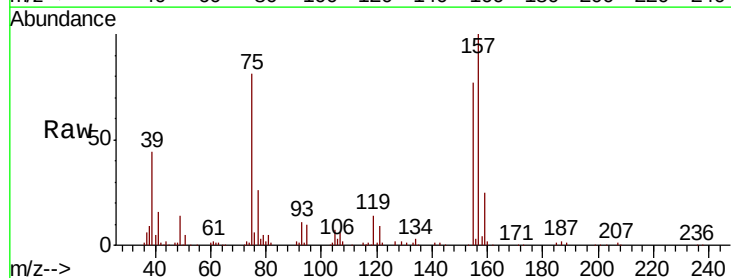
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

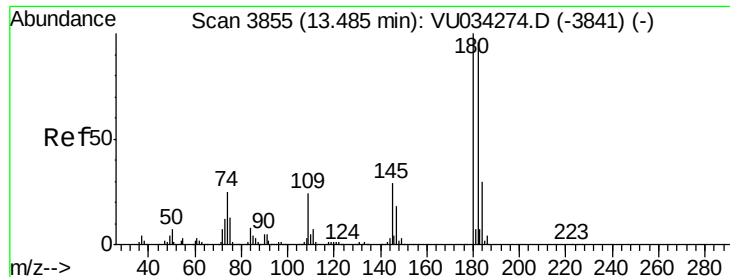
Tgt Ion: 146 Resp: 461993
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 60.0
 148 64.7 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.417 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 75 Resp: 71414
 Ion Ratio Lower Upper
 75 100
 155 94.9 44.6 134.0
 157 124.1 58.2 174.6

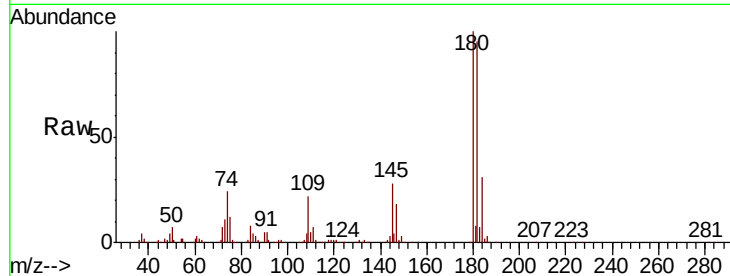




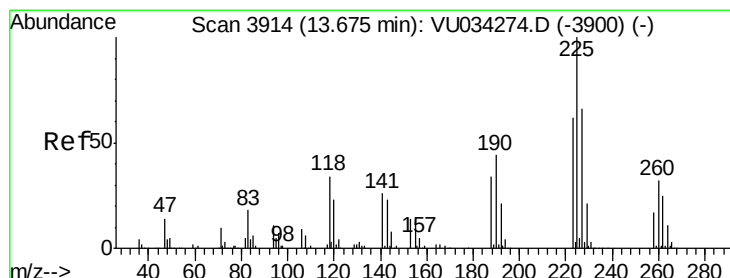
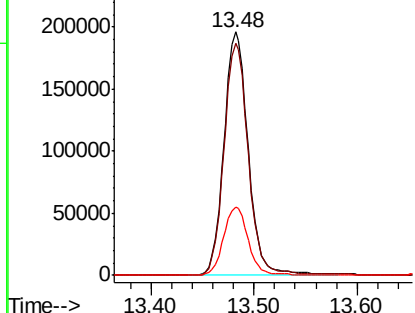
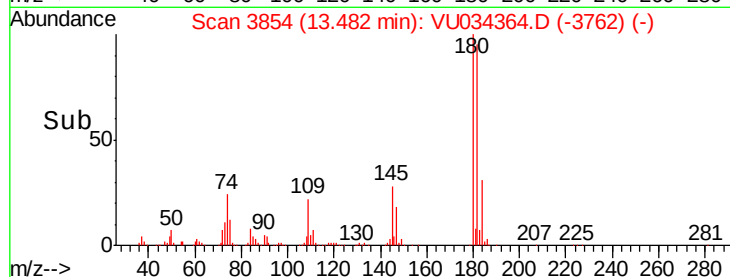
#93
 1,2,4-Trichlorobenzene
 Concen: 46.616 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0263MS

Tgt Ion:180 Resp: 321113
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.8
 145 28.7 14.4 43.0

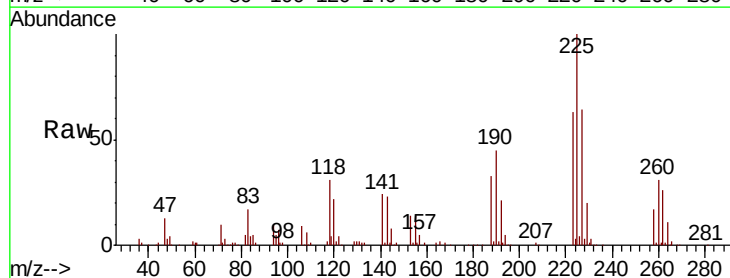


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

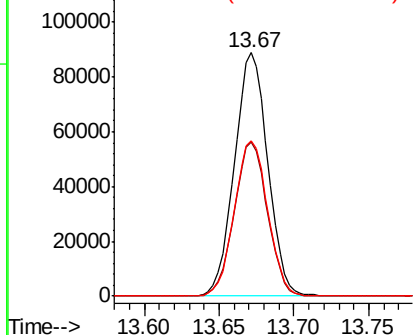
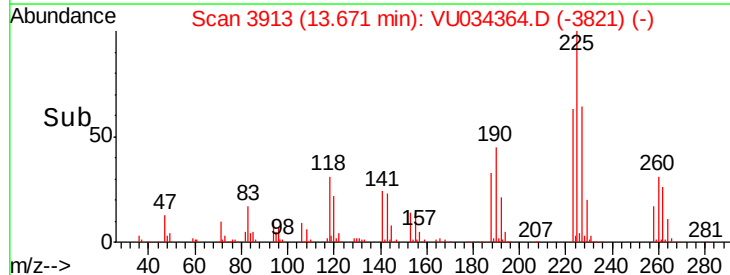


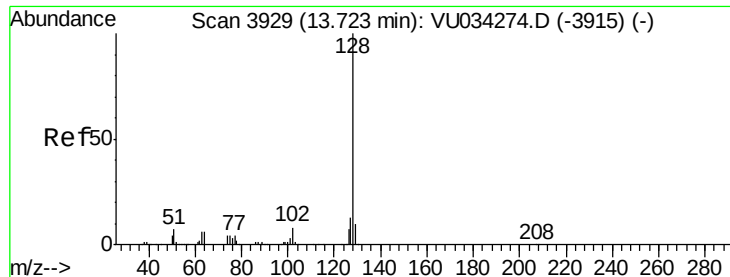
#94
 Hexachlorobutadiene
 Concen: 41.294 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion:225 Resp: 137935
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.6 94.7
 227 63.9 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.396 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

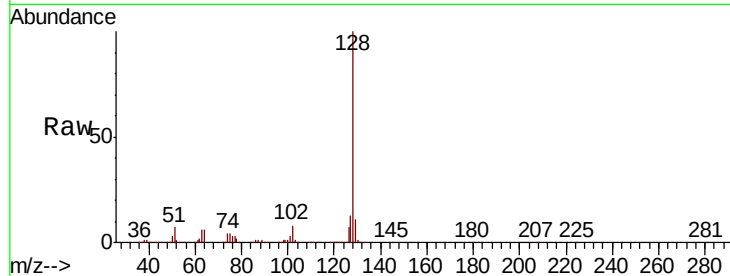
Tgt Ion:128 Resp: 941187

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

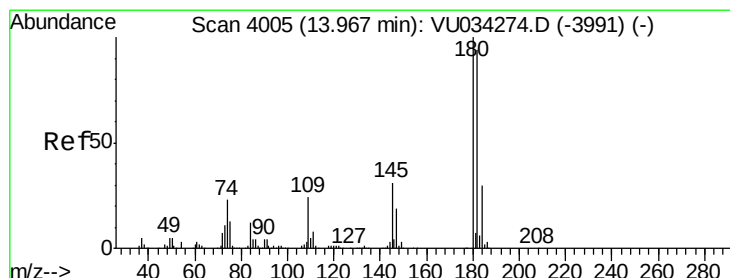
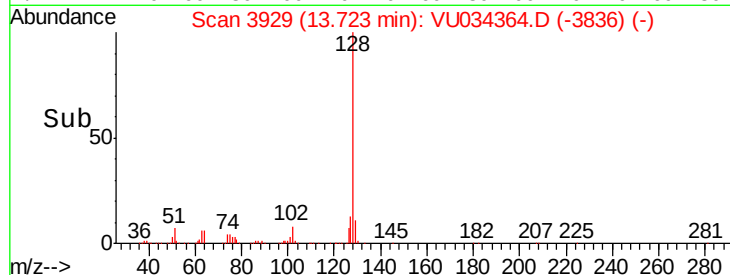
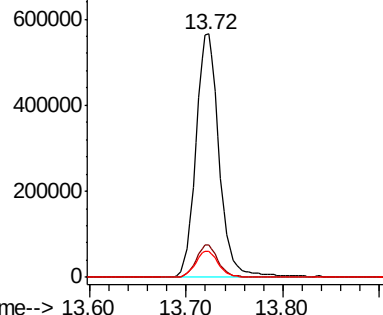
129 10.6 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.689 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

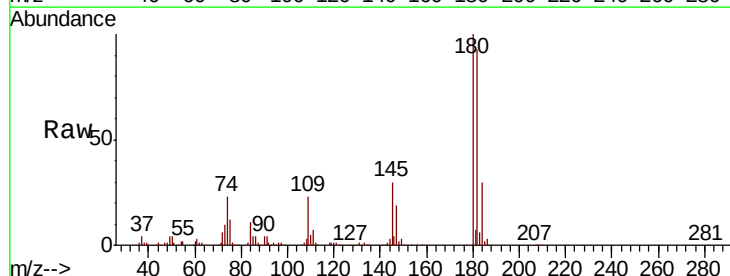
Tgt Ion:180 Resp: 318152

Ion Ratio Lower Upper

180 100

182 94.5 48.4 145.0

145 30.1 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

